

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 F826	Overrun detected without the any error line active.	A1
0052 F827	Overrun detected without the any error line active.	A1
0052 F828	Overrun detected without the any error line active.	A1
0052 F830	Expected and received tape status do not match.	B4
0052 F840	Tape unit fails to position the IBG under the head.	C1
0052 F841	Tape unit fails to position the IBG under the head.	B4
0052 F843	Tape unit fails to position the IBG under the head.	B4
0052 F849	Tape unit fails to position the IBG under the head.	B4
0052 F84C	Tape unit fails to position the IBG under the head.	C1 D4 A2/A3
0052 F84E	Tape unit fails to position the IBG under the head.	C1
0052 F850	Each failure detected by the positioning routine.	D1
0052 F851	Each failure detected by the positioning routine.	B4
0052 F853	Each failure detected by the positioning routine.	A2/A3
0052 F854	Each failure detected by the positioning routine.	A1
0052 F856	Each failure detected by the positioning routine.	A1
0052 F857	Each failure detected by the positioning routine.	A1

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0052	F858	Each failure detected by the positioning routine.	A1
0052	F859	Each failure detected by the positioning routine.	B4
0052	F85C	Each failure detected by the positioning routine.	C1 A2/A3 D4
0052	F85E	Each failure detected by the positioning routine.	C1
0052	F860	Each failure detected during a data operation.	D1
0052	F861	Each failure detected during a data operation.	B4
0052	F863	Each failure detected during a data operation.	A2/A3
0052	F864	Each failure detected during a data operation.	A1
0052	F866	Each failure detected during a data operation.	A1
0052	F867	Each failure detected during a data operation.	A1
0052	F868	Each failure detected during a data operation.	A1
0052	F869	Each failure detected during a data operation.	B4
0052	F86C	Each failure detected during a data operation.	C1 A2/A3 D4
0052	F86E	Each failure detected during a data operation.	C1
0052	F870	Each failure during a format character operation.	D1 C4
0052	F871	Each failure during a format character operation.	B4

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0052 F873	Each failure during a format character operation.	A2/A3
0052 F874	Each failure during a format character operation.	A1
0052 F876	Each failure during a format character operation.	A1
0052 F877	Each failure during a format character operation.	A1
0052 F878	Each failure during a format character operation.	A1
0052 F879	Each failure during a format character operation.	B4
0052 F87C	Each failure during a format character operation.	C1 A2/A3 D4
0052 F87E	Each failure during a format character operation.	C1
0052 F880	Received tape unit status does not match expected status.	D3
0052 F881	Received tape unit status does not match expected status.	B4 B5
0052 F882	Received tape unit status does not match expected status.	B3
0052 F883	Received tape unit status does not match expected status.	A2/A3 B5 B4
0052 F885	Received tape unit status does not match expected status.	B5
0052 F888	Received tape unit status does not match expected status.	B3
0052 F889	Received tape unit status does not match expected status.	B4
0052 F88A	Received tape unit status does not match expected status.	B3

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0052	F88C	Received tape unit status does not match expected status.	C1 A2/A3 D4
0052	F88E	Received tape unit status does not match expected status.	C1
0052	F890	Received and expected tape unit status do not agree.	D3
0052	F891	Received and expected tape unit status do not agree.	B4 B5
0052	F892	Received and expected tape unit status do not agree.	B3
0052	F893	Received and expected tape unit status do not agree.	A2/A3 B5 B3
0052	F895	Received and expected tape unit status do not agree.	B5
0052	F896	Received and expected tape unit status do not agree.	B3
0052	F898	Received and expected tape unit status do not agree.	B3
0052	F89A	Received and expected tape unit status do not agree.	B3
0052	F89C	Received and expected tape unit status do not agree.	C1 A2/A3 D4
0052	F89E	Received and expected tape unit status do not agree.	C1
0052	F8A1	The ARA ID was detected away from bot on a read.	B4
0052	F8A3	The ARA ID was detected away from bot on a read.	A2/A3
0052	F8A4	The ARA ID was detected away from bot on a read.	B1 H1 D2 C1
0052	F8A5	The ARA ID was detected away from bot on a read.	A5 B1

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		Result Code
0052 F8A6	The ARA ID was detected away from bot on a read.	A5 B1
0052 F8A7	The ARA ID was detected away from bot on a read.	B1
0052 F8A9	The ARA ID was detected away from bot on a read.	B1 B4
0052 F8AA	The ARA ID was detected away from bot on a read.	B1
0052 F8AC	The ARA ID was detected away from bot on a read.	C1 A2/A3 D4
0052 F8AE	The ARA ID was detected away from bot on a read.	D2 C1 F6
0052 F8AF	The ARA ID was detected away from bot on a read.	D2
0052 F8B0	Start velocity check – tach speed error.	D1 C1 C4
0052 F8C0	No IBG after the ID burst.	H1 D2 C1 D6
0052 F8C1	No IBG after the ID burst.	B4 D6
0052 F8C2	No IBG after the ID burst.	B3
0052 F8C3	No IBG after the ID burst.	A2/A3 B4
0052 F8C4	No IBG after the ID burst.	A5 B1 A1
0052 F8C5	No IBG after the ID burst.	A5 B1
0052 F8C6	No IBG after the ID burst.	B3 A1
0052 F8C7	No IBG after the ID burst.	B1 A1
0052 F8C8	No IBG after the ID burst.	B3 A1
0052 F8C9	No IBG after the ID burst.	B1 B4
0052 F8CA	No IBG after the ID burst.	B3 B1

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0052	F8CC	No IBG after the ID burst.	C1 A2/A3 D4
0052	F8CE	No IBG after the ID burst.	D2 C1 F6 H1
0052	F8CF	No IBG after the ID burst.	D2
0052	F8D0	No IBG after writing or reading the ARA ID.	H1 D2 C1 D6
0052	F8D1	No IBG after writing or reading the ARA ID.	B4
0052	F8D4	No IBG after writing or reading the ARA ID.	A5 B1 A1
0052	F8D2	No IBG after writing or reading the ARA ID.	B3
0052	F8D3	No IBG after writing or reading the ARA ID.	A2/A3 B3
0052	F8D5	No IBG after writing or reading the ARA ID.	A5 B1
0052	F8D6	No IBG after writing or reading the ARA ID.	B3 A1
0052	F8D7	No IBG after writing or reading the ARA ID.	B1 A1
0052	F8D8	No IBG after writing or reading the ARA ID.	B3 A1
0052	F8D9	No IBG after writing or reading the ARA ID.	B4
0052	F8DA	No IBG after writing or reading the ARA ID.	B3 B1
0052	F8DC	No IBG after writing or reading the ARA ID.	C1 A2/A3 D4
0052	F8DE	No IBG after writing or reading the ARA ID.	D2 C1 F6 H1

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0052	F8DF	No IBG after writing or reading the ARA ID.	D2 H1 C1 D6
0052	F8E0	IBG check during erase gap.	H1 D2 C1 D6
0052	F8E1	IBG check during erase gap.	B4
0052	F8E2	IBG check during erase gap.	B3 H1
0052	F8E3	IBG check during erase gap.	A2/A3 B3
0052	F8E4	IBG check during erase gap.	A1 B1
0052	F8E5	IBG check during erase gap.	A5 B1 A1
0052	F8E6	IBG check during erase gap.	B3 A1
0052	F8E7	IBG check during erase gap.	B1 A1
0052	F8E8	IBG check during erase gap.	B3 A1
0052	F8E9	IBG check during erase gap.	B1 B4
0052	F8EA	IBG check during erase gap.	B3 B1 H1
0052	F8EC	IBG check during erase gap.	F1 A2/A3 D4 H1
0052	F8EE	IBG check during erase gap.	D2 C1 F6 H1
0052	F8EF	IBG check during erase gap.	D2 H1 C1 D6
0052	F8F0	No readback of ID burst on write operation.	H1
0052	F8F1	No readback of ID burst on write operation.	B4
0052	F8F2	No readback of ID burst on write operation.	B3 H1
0052	F8F3	No readback of ID burst on write operation.	A2/A3 B3
0052	F8F4	No readback of ID burst on write operation.	A5 B1

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0052	F8F5	No readback of ID burst on write operation.	A5 B1
0052	F8F6	No readback of ID burst on write operation.	B3 A1
0052	F8F7	No readback of ID burst on write operation.	B1 A1
0052	F8F8	No readback of ID burst on write operation.	B3 A1
0052	F8F9	No readback of ID burst on write operation.	B4 H1
0052	F8FA	No readback of ID burst on write operation.	B3 B1
0052	F8FC	No readback of ID burst on write operation.	C1 A2/A3 D4
0052	F8FE	No readback of ID burst on write operation.	D2 C1 F6 H1
0052	F8FF	No readback of ID burst on write operation.	D2 H1 C1 D6
0052	F900	No readback of ARA burst on write operation.	H1 D2
0052	F901	No readback of ARA burst on write operation.	B4 H1 C1 D6
0052	F910	No readback of ARA ID burst on write operation.	H1 D2 C1 D6
0052	F911	No readback of ARA ID burst on write operation.	B4 H1
0052	F912	No readback of ARA ID burst on write operation.	B3 H1
0052	F913	No readback of ARA ID burst on write operation.	A2/A3 B3
0052	F914	No readback of ARA ID burst on write operation.	A5 B1

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0052	F915	No readback of ARA ID burst on write operation.	A5 B1 H1
0052	F916	No readback of ARA ID burst on write operation.	B3
0052	F918	No readback of ARA ID burst on write operation.	A2/A3 B3 H1
0052	F919	No readback of ARA ID burst on write operation.	B4 H1
0052	F91A	No readback of ARA ID burst on write operation.	B3 B1 H1
0052	F91C	No readback of ARA ID burst on write operation.	C1 A2/A3 D4 H1
0052	F91E	No readback of ARA ID burst on write operation.	D2 C1 F6 H1
0052	F91F	No readback of ARA ID burst on write operation.	D2 H1 C1
0052	F920	Incorrect ID burst written by tape unit.	H1 D2 C1 D6
0052	F921	Incorrect ID burst written by tape unit.	B4 H1
0052	F922	Incorrect ID burst written by tape unit.	B3
0052	F923	Incorrect ID burst written by tape unit.	A2/A3 B3
0052	F924	Incorrect ID burst written by tape unit.	A5 B1
0052	F925	Incorrect ID burst written by tape unit.	A5 B1
0052	F926	Incorrect ID burst written by tape unit.	B3
0052	F928	Incorrect ID burst written by tape unit.	B3 H1
0052	F929	Incorrect ID burst written by tape unit.	B4
0052	F92A	Incorrect ID burst written by tape unit.	B3 B1 H1

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0052	F92C	Incorrect ID burst written by tape unit.	C1 A2/A3 D4 H1
0052	F92E	Incorrect ID burst written by tape unit.	D2 C1 F6 H1
0052	F92F	Incorrect ID burst written by tape unit.	D2
0052	F930	Incorrect ARA burst written by tape unit.	H1
0052	F931	Incorrect ARA burst written by tape unit.	B4
0052	F932	Incorrect ARA burst written by tape unit.	B3 H1
0052	F933	Incorrect ARA burst written by tape unit.	A2/A3 B3
0052	F934	Incorrect ARA burst written by tape unit.	A5 B1
0052	F935	Incorrect ARA burst written by tape unit.	A5 B1 H1
0052	F936	Incorrect ARA burst written by tape unit.	B3
0052	F937	Incorrect ARA burst written by tape unit.	B1
0052	F938	Incorrect ARA burst written by tape unit.	B3 H1
0052	F939	Incorrect ARA burst written by tape unit.	B1 B4
0052	F93A	Incorrect ARA burst written by tape unit.	B3 B1 H1
0052	F93C	Incorrect ARA burst written by tape unit.	C1 A2/A3 D4 H1
0052	F93E	Incorrect ARA burst written by tape unit.	D2 C1 F6 H1

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0052 F93F	Incorrect ARA burst written by tape unit.	D2 H1
0052 F940	Incorrect ARA ID burst written by tape unit.	H1
0052 F941	Incorrect ARA ID burst written by tape unit.	B4
0052 F942	Incorrect ARA ID burst written by tape unit.	B3 H1
0052 F943	Incorrect ARA ID burst written by tape unit.	A2/A3 B3
0052 F944	Incorrect ARA ID burst written by tape unit.	A5 B1
0052 F945	Incorrect ARA ID burst written by tape unit.	A5 B1 H1
0052 F946	Incorrect ARA ID burst written by tape unit.	B3
0052 F947	Incorrect ARA ID burst written by tape unit.	B1
0052 F948	Incorrect ARA ID burst written by tape unit.	B3 H1
0052 F949	Incorrect ARA ID burst written by tape unit.	B1 B4
0052 F94A	Incorrect ARA ID burst written by tape unit.	B3 B1 H1
0052 F94C	Incorrect ARA ID burst written by tape unit.	C1 A2/A3 D4 H1
0052 F94E	Incorrect ARA ID burst written by tape unit.	D2 C1 F6 H1
0052 F94F	Incorrect ARA ID burst written by tape unit.	D2 H1
0052 F950	The tape control is not capable of reading the tape.	H1 D2 C1 D6

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0052	F951	The tape control is not capable of reading the tape.	B4
0052	F952	The tape control is not capable of reading the tape.	B3 H1
0052	F953	The tape control is not capable of reading the tape.	A2/A3 B3
0052	F954	The tape control is not capable of reading the tape.	A5 B1
0052	F955	The tape control is not capable of reading the tape.	A5 B1 H1
0052	F956	The tape control is not capable of reading the tape.	B3
0052	F957	The tape control is not capable of reading the tape.	B1
0052	F958	The tape control is not capable of reading the tape.	B3 H1
0052	F959	The tape control is not capable of reading the tape.	B1 B4
0052	F95A	The tape control is not capable of reading the tape.	B3 B1 H1
0052	F95C	The tape control is not capable of reading the tape.	C1 A2/A3 D4 H1
0052	F95E	The tape control is not capable of reading the tape.	D2 C1 F6 H1
0052	F95F	The tape control is not capable of reading the tape.	D2 H1
0052	F961	Tape control cannot set GCR after reading the ARA.	B4
0052	F963	Tape control cannot set GCR after reading the ARA.	A2/A3 D4
0052	F969	Tape control cannot set GCR after reading the ARA.	B4

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0052 F96C	Tape control cannot set GCR after reading the ARA.	C1 A2/A3 D4
0052 F96E	Tape control cannot set GCR after reading the ARA.	C1
0052 F970	Never detected beginning of block of ARA burst.	H1
0052 F971	Never detected beginning of block of ARA burst.	B4
0052 F973	Never detected beginning of block of ARA burst.	A2/A3 B3
0052 F974	Never detected beginning of block of ARA burst.	A5 B1
0052 F975	Never detected beginning of block of ARA burst.	A5 B1 H1
0052 F976	Never detected beginning of block of ARA burst.	B3
0052 F977	Never detected beginning of block of ARA burst.	B1 A1
0052 F978	Never detected beginning of block of ARA burst.	A1
0052 F979	Never detected beginning of block of ARA burst.	B4 C1
0052 F97A	Never detected beginning of block of ARA burst.	B1
0052 F97C	Never detected beginning of block of ARA burst.	C1 A2/A3 D4 H1
0052 F97E	Never detected beginning of block of ARA burst.	D2 C1 F6 H1
0052 F97F	Never detected beginning of block of ARA burst.	D2
0052 F980	ARA failed to set read circuits to correct gain.	H1

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0052	F981	ARA failed to set read circuits to correct gain.	B5 B4
0052	F982	ARA failed to set read circuits to correct gain.	B3
0052	F983	ARA failed to set read circuits to correct gain.	A2/A3 B3
0052	F988	ARA failed to set read circuits to correct gain.	B3
0052	F989	ARA failed to set read circuits to correct gain.	B4
0052	F98A	ARA failed to set read circuits to correct gain.	B3
0052	F98C	ARA failed to set read circuits to correct gain.	C1 A2/A3 D4 H1
0052	F98E	ARA failed to set read circuits to correct gain.	D2 C1 F6 H1
0052	F98F	ARA failed to set read circuits to correct gain.	D2
0052	F990	Unable to write a tape mark.	H1
0052	F991	Unable to write a tape mark.	B4
0052	F992	Unable to write a tape mark.	B3
0052	F993	Unable to write a tape mark.	A2/A3 B3
0052	F994	Unable to write a tape mark.	A5 B1
0052	F995	Unable to write a tape mark.	A5 B1
0052	F996	Unable to write a tape mark.	B3
0052	F997	Unable to write a tape mark.	B1
0052	F998	Unable to write a tape mark.	B3

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0052	F999	Unable to write a tape mark.	B4 H1
0052	F99A	Unable to write a tape mark.	B3 B1
0052	F99C	Unable to write a tape mark.	C1 A2/A3 D4
0052	F99E	Unable to write a tape mark.	D2 C1 F6 H1
0052	F99F	Unable to write a tape mark.	D2
0052	F9A0	Write tape mark operation failed.	H1
0052	F9A1	Write tape mark operation failed.	B4
0052	F9A2	Write tape mark operation failed.	B3
0052	F9A3	Write tape mark operation failed.	A2/A3 B3
0052	F9A4	Write tape mark operation failed.	A5 B1
0052	F9A5	Write tape mark operation failed.	A5 B1
0052	F9A6	Write tape mark operation failed.	B3
0052	F9A7	Write tape mark operation failed.	B1
0052	F9A8	Write tape mark operation failed.	B3
0052	F9A9	Write tape mark operation failed.	B1 B4
0052	F9AA	Write tape mark operation failed.	B3 B1
0052	F9AC	Write tape mark operation failed.	C1 A2/A3 D4 H1
0052	F9AE	Write tape mark operation failed.	D2 C1 F6
0052	F9AF	Write tape mark operation failed.	D2
0052	F9B0	Write operation failed – no read back data.	H1
0052	F9B1	Write operation failed – no read back data.	E4

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0052	F9B2	Write operation failed - no read back data.	B3
0052	F9B3	Write operation failed - no read back data.	A2/A3 B3
0052	F9B4	Write operation failed - no read back data.	A5 B1
0052	F9B5	Write operation failed - no read back data.	A5 B1
0052	F9B6	Write operation failed - no read back data.	B3
0052	F9B7	Write operation failed - no read back data.	B1
0052	F9B8	Write operation failed - no read back data.	B3
0052	F9B9	Write operation failed - no read back data.	B1 B4
0052	F9BA	Write operation failed - no read back data.	B3 B1 H1
0052	F9BC	Write operation failed - no read back data.	C1 A2/A3 D4 H1
0052	F9BE	Write operation failed - no read back data.	D2 C1 F6
0052	F9BF	Write operation failed - no read back data.	D2
0052	F9C1	Data end was activated before command out on write.	B4
0052	F9C4	Data end was activated before command out on write.	B2 B1 A5 A1
0052	F9C5	Data end was activated before command out on write.	B2 B1 A5
0052	F9C6	Data end was activated before command out on write.	B2 A1

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0052 F9C7	Data end was activated before command out on write.	B2 B1 A1
0052 F9C9	Data end was activated before command out on write.	B1 B4
0052 F9CA	Data end was activated before command out on write.	B2 B1 A1
0052 F9D0	IBG detected before data end during read.	H1 D2 C1 D6
0052 F9D1	IBG detected before data end during read.	B4
0052 F9D2	IBG detected before data end during read.	B3
0052 F9D3	IBG detected before data end during read.	A2/A3 B3
0052 F9D4	IBG detected before data end during read.	A5 B1 B2
0052 F9D5	IBG detected before data end during read.	A5 B1 B2
0052 F9D6	IBG detected before data end during read.	B3 B2
0052 F9D7	IBG detected before data end during read.	B1
0052 F9D8	IBG detected before data end during read.	B3
0052 F9D9	IBG detected before data end during read.	B1 B4
0052 F9DA	IBG detected before data end during read.	B3 B1 B2
0052 F9DC	IBG detected before data end during read.	C1 A2/A3 D4
0052 F9DE	IBG detected before data end during read.	D2 C1 F6 H1

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0052	F9DF	IBG detected before data end during read.	D2
0052	F9E0	No BOT detected during read back of ARA.	E2 C1
0052	F9E1	No BOT detected during read back of ARA.	B4
0052	F9E3	No BOT detected during read back of ARA.	A2/A3
0052	F9E9	No BOT detected during read back of ARA.	B4
0052	F9EC	No BOT detected during read back of ARA.	C1 A2/A3 D4
0052	F9EE	No BOT detected during read back of ARA.	C1 F6
0052	F9F0	No IBG was detected after a write, read, or space.	H1 D2 C1 D6
0052	F9F1	No IBG was detected after a write, read, or space.	B4
0052	F9F2	No IBG was detected after a write, read, or space.	B3
0052	F9F3	No IBG was detected after a write, read, or space.	A2/A3 B4
0052	F9F4	No IBG was detected after a write, read, or space.	A5 B1 A1
0052	F9F5	No IBG was detected after a write, read, or space.	A5 B1
0052	F9F6	No IBG was detected after a write, read, or space.	B3 A1
0052	F9F7	No IBG was detected after a write, read, or space.	B1 A1
0052	F9F8	No IBG was detected after a write, read, or space.	B3 A1

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0052	F080	Bad parity on channel out lines.	C2 A1
0052	F084	Bad parity on channel out lines.	A1
0052	F086	Bad parity on channel out lines.	A1
0052	F087	Bad parity on channel out lines.	A1
0052	F088	Bad parity on channel out lines.	A1
0052	F091	Format error in channel adapter card error reg.	B4 B5
0052	F093	Format error in channel adapter card error reg.	B5
0052	F094	Format error in channel adapter card error reg.	A1
0052	F095	Format error in channel adapter card error reg.	B5
0052	F096	Format error in channel adapter card error reg.	A1 B4 B5
0052	F097	Format error in channel adapter card error reg.	A1
0052	F098	Format error in channel adapter card error reg.	A1
0052	F099	Format error in channel adapter card error reg.	B4
0052	F0A1	Number of read back bytes do not match number received from system.	B5
0052	F0A2	Number of read back bytes do not match number received from system.	B3
0052	F0A3	Number of read back bytes do not match number received from system.	A2/A3 B4 U1 D2
0052	F0A4	Number of read back bytes do not match number received from system.	B3 B5

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SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F0A5	Number of read back bytes do not match number received from system.	B2 B5
0052	F0A6	Number of read back bytes do not match number received from system.	A1 B3 B5
0052	F0A7	Number of read back bytes do not match number received from system.	A1
0052	F0A8	Number of read back bytes do not match number received from system.	A1 B3
0052	F0AA	Number of read back bytes do not match number received from system.	B3 B2
0052	F0B4	Number of read back bytes did not match number received from system.	B2 A1
0052	F0B6	Number of read back bytes do not match number received from system.	B2 B1 A1 A5
0052	F0B7	Number of read back bytes do not match number received from system.	B2 A1
0052	F0B8	Number of read back bytes do not match number received from system.	A1
0052	F0BA	Number of read back bytes do not match number received from system.	B2
0052	F0C1	Format error in adapter card error register.	B5 B4
0052	F0C3	Format error in adapter card error register.	A2/A3 B5
0052	F0C5	Format error in adapter card error register.	B5
0052	F0C9	Format error in adapter card error register.	B4
0052	F0CC	Format error in adapter card error register.	A2/A3
0052	F0D1	Format error in adapter card error reg.	B5 B4

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F0D3	Format error in adapter card error reg.	A2/A3 B5
0052	F0D5	Format error in adapter card error reg.	B5
0052	F0D9	Format error in adapter card error reg.	B4
0052	F0DC	Format error in adapter card error reg.	A2/A3
0052	F0E2	Parity error on tape unit bus out.	B3
0052	F0E3	Parity error on tape unit bus out.	A2/A3 B3
0052	F0E4	Parity error on tape unit bus out.	B1
0052	F0E5	Parity error on tape unit bus out.	B1
0052	F0E6	Parity error on tape unit bus out.	B3
0052	F0E8	Parity error on tape unit bus out.	B3 C1 A2/A3 B3
0052	F0E9	Parity error on tape unit bus out.	B1
0052	F0EA	Parity error on tape unit bus out.	B1
0052	F0EC	Parity error on tape unit bus out.	C1 A2/A3 D4
0052	F0EE	Parity error on tape unit bus out.	C1
0052	F0F3	Parity error on device adapter read sense data bus.	A2/A3
0052	F0FE	Parity error on device adapter read sense data bus.	C1
0052	F0FC	Parity error on device adapter read sense data bus.	A2/A3 D4
0052	F103	Tape unit bus in parity error.	A2/A3
0052	F10C	Tape unit bus in parity error.	C1 A2/A3 D4
0052	F10E	Tape unit bus in parity error.	C1

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F111	Parity error on B bus from microprocessor card.	B5 B4
0052	F113	Parity error on B bus from microprocessor card.	A2/A3 B5
0052	F115	Parity error on B bus from microprocessor card.	B5
0052	F119	Parity error on B bus from microprocessor card.	B4
0052	F11C	Parity error on B bus from microprocessor card.	A2/A3
0052	F120	Tried to enable drivers for more than one tape unit.	A3
0052	F130	Tried to enable drivers for more than one tape unit.	A2
0052	F141	Format error in write card error register.	B5 B4
0052	F142	Format error in write card error register.	B3
0052	F143	Format error in write card error register.	B3 B5
0052	F144	Format error in write card error register.	B2
0052	F145	Format error in write card error register.	B2 B5
0052	F146	Format error in write card error register.	B3 B2
0052	F147	Format error in write card error register.	B2
0052	F148	Format error in write card error register.	B3
0052	F149	Format error in write card error register.	B4
0052	F14A	Format error in write card error register.	B2
0052	F151	Write card error during read operation.	B4 B5
0052	F152	Write card error during read operation.	B3

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2
		Result Code
0052 F153	Write card error during read operation.	B3 B5
0052 F156	Write card error during read operation.	B3
0052 F158	Write card error during read operation.	B3
0052 F159	Write card error during read operation.	B4
0052 F15A	Write card error during read operation.	B3
0052 F160	Write data overrun.	C3 D5
0052 F162	Write data overrun.	B3
0052 F163	Write data overrun.	B3
0052 F164	Write data overrun.	A1
0052 F166	Write data overrun.	B3 A1
0052 F167	Write data overrun.	A1
0052 F168	Write data overrun.	A1
0052 F16A	Write data overrun.	B3
0052 F170	Write trigger parity error.	B3
0052 F182	Write data parity error.	B3
0052 F184	Write data parity error.	A1
0052 F186	Write data parity error.	A1 B3
0052 F187	Write data parity error.	A1
0052 F188	Write data parity error.	A1 B3
0052 F18A	Write data parity error.	B3
0052 F192	Write card internal error.	B3

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F194	Write card internal error.	A1
0052	F196	Write card internal error.	B3 A1
0052	F197	Write card internal error.	A1
0052	F198	Write card internal error.	B3 A1
0052	F19A	Write card internal error.	B3
0052	F1A1	Control unit logic card error.	A4 B4 B5
0052	F1A2	Control unit logic card error.	B3
0052	F1A3	Control unit logic card error.	B5 B3 A2/A3
0052	F1A4	Control unit logic card error.	A1 B2
0052	F1A5	Control unit logic card error.	B5 B2
0052	F1A6	Control unit logic card error.	A1 B2 B3
0052	F1A7	Control unit logic card error.	B4 A4 A1 B2
0052	F1A8	Control unit logic card error.	B4 A4 A1 B3
0052	F1A9	Control unit logic card error.	B4
0052	F1AA	Control unit logic card error.	B2 B3
0052	F1AC	Control unit logic card error.	A2/A3
0052	F1B0	Multitrack error.	H1
0052	F1B1	Multitrack error.	B4
0052	F1B2	Multitrack error.	B3
0052	F1B3	Multitrack error.	A2/A3 B3
0052	F1B4	Multitrack error.	A5 B1 B2

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F1B5	Multitrack error.	A5 B1 B2
0052	F1B6	Multitrack error.	B3 B2
0052	F1B7	Multitrack error.	B1 B2
0052	F1B8	Multitrack error.	B3
0052	F1B9	Multitrack error.	B1 B4
0052	F1BA	Multitrack error.	B3 B1 B2
0052	F1BC	Multitrack error.	D4
0052	F1BE	Multitrack error.	D2 C1 F6 H1
0052	F1BF	Multitrack error.	D2
0052	F1C2	Tag lines service in and halt service are active.	B2
0052	F1C3	Tag lines service in and halt service are active.	B2
0052	F1C4	Multitrack error.	A1
0052	F1C6	Multitrack error.	B3 A1
0052	F1C7	Multitrack error.	A1 B3
0052	F1C8	Multitrack error.	B3 A1
0052	F1CA	Multitrack error.	A1
0052	F1D4	ECC card internal error.	B2 B1 A5
0052	F1D5	ECC card internal error.	B1 A5 B2
0052	F1D6	ECC card internal error.	B2
0052	F1D7	ECC card internal error.	B2 B1
0052	F1D9	ECC card internal error.	B1

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F1DA	ECC card internal error.	B2 B1
0052	F1E4	Skew card internal error.	B1 B2
0052	F1E5	Skew card internal error.	B1 B3
0052	F1E6	Skew card internal error.	B2
0052	F1E7	Skew card internal error.	B1 B2
0052	F1E9	Skew card internal error.	B1
0052	F1EA	Skew card internal error.	B1 B2
0052	F1F0	False end mark.	H1
0052	F1F2	False end mark.	B3
0052	F1F3	False end mark.	A2/A3 B3
0052	F1F4	False end mark.	A5 B1 B2
0052	F1F5	False end mark.	B2
0052	F1F6	False end mark.	B3 B2
0052	F1F7	False end mark.	B1 B2
0052	F1F8	False end mark.	B3
0052	F1F9	False end mark.	B1
0052	F1FA	False end mark.	B3 B1 B2
0052	F1FC	False end mark.	C1 A2/A3 D4
0052	F1FE	False end mark.	F6
0052	F200	Excessive skew check.	H1
0052	F202	Excessive skew check.	B3

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F203	Excessive skew check.	A2/A3 B3
0052	F204	Excessive skew check.	A5
0052	F205	Excessive skew check.	A5 B1 B2
0052	F206	Excessive skew check.	B3 B2
0052	F207	Excessive skew check.	B1 B2
0052	F208	Excessive skew check.	B3
0052	F209	Excessive skew check.	B1
0052	F20A	Excessive skew check.	B3 B1 B2
0052	F20C	Excessive skew check.	C1 A2/A3 D4
0052	F20E	Excessive skew check.	D2 C1 F6 H1
0052	F20F	Excessive skew check.	D2
0052	F220	Envelope loss error.	H1
0052	F221	Envelope loss error.	B4
0052	F222	Envelope loss error.	B3
0052	F223	Envelope loss error.	A2/A3 B3
0052	F224	Envelope loss error.	A5 B1 B2
0052	F225	Envelope loss error.	A5 B1 B2
0052	F226	Envelope loss error.	B3 B2
0052	F227	Envelope loss error.	B1 B2
0052	F228	Envelope loss error.	B3
0052	F229	Envelope loss error.	B1 B4

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F22A	Envelope loss error.	B3 B1 B2
0052	F22C	Envelope loss error.	C1 A2/A3 D4
0052	F22E	Envelope loss error.	D2 C1 F6
0052	F22F	Envelope loss error.	D2
0052	F231	CRC error during a PE read.	B4 B5
0052	F233	CRC error during a PE read.	B5
0052	F234	CRC error during a PE read.	B2
0052	F235	CRC error during a PE read.	B2 B5
0052	F236	CRC error during a PE read.	B2
0052	F237	CRC error during a PE read.	B2
0052	F239	CRC error during a PE read.	B4
0052	F23A	CRC error during a PE read.	B2
0052	F240	CRC error without a VRC error.	B2
0052	F250	VRC (uncorrectable) error.	H1 D2 C1 D6
0052	F251	VRC (uncorrectable) error.	B4
0052	F252	VRC (uncorrectable) error.	B3
0052	F253	VRC (uncorrectable) error.	A2/A3 B3
0052	F254	VRC (uncorrectable) error.	A5 B1 B2
0052	F255	VRC (uncorrectable) error.	A5 B1 B2
0052	F256	VRC (uncorrectable) error.	B3 B2
0052	F257	VRC (uncorrectable) error.	B1 B2

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F258	VRC (uncorrectable) error.	B3
0052	F259	VRC (uncorrectable) error.	B1 B4
0052	F25A	VRC (uncorrectable) error.	B3 B1 B2
0052	F25C	VRC (uncorrectable) error.	C1 A2/A3 D4 H1
0052	F25E	VRC (uncorrectable) error.	D2 C1 F6
0052	F25F	VRC (uncorrectable) error.	D2 H1 C1 D6
0052	F271	Data byte sent to channel is not accepted in time for next byte.	B5 B4
0052	F273	Data byte sent to channel is not accepted in time for next byte.	B5
0052	F274	Data byte sent to channel is not accepted in time for next byte.	B2 B1
0052	F275	Data byte sent to channel is not accepted in time for next byte.	B1 B2 B5
0052	F276	Data byte sent to channel is not accepted in time for next byte.	B2 A1
0052	F277	Data byte sent to channel is not accepted in time for next byte.	B2 B1 B4
0052	F278	Data byte sent to channel is not accepted in time for next byte.	A1
0052	F279	Data byte sent to channel is not accepted in time for next byte.	B1 B4
0052	F27A	Data byte sent to channel is not accepted in time for next byte.	B2 B1
0052	F2B1	Format error in microcode storage card error reg.	B5 B4
0052	F2B3	Format error in microcode storage card error reg.	B5

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F2B5	Format error in microcode storage card error reg.	B5
0052	F2B9	Format error in microcode storage card error reg.	B4
0052	F2C0	Internal in microcode storage card.	B5
0052	F2D1	Bus in transfer parity error (transfer 82).	B5 B4
0052	F2D3	Bus in transfer parity error (transfer 82).	A2/A3 B5
0052	F2D5	Bus in transfer parity error (transfer 82).	B5
0052	F2D9	Bus in transfer parity error (transfer 82).	B4
0052	F2DC	Bus in transfer parity error (transfer 82).	C1 A2/A3 D4
0052	F2DE	Bus in transfer parity error (transfer 82).	C1
0052	F2E1	R/W in transfer parity error (transfer 88).	B5 B4
0052	F2E2	R/W in transfer parity error (transfer 88).	B3
0052	F2E3	R/W in transfer parity error (transfer 88).	B2 B5
0052	F2E4	R/W in transfer parity error (transfer 88).	B2
0052	F2E5	R/W in transfer parity error (transfer 88).	B2
0052	F2E6	Bus in transfer parity error (transfer 82).	B2 B3
0052	F2E7	R/W in transfer parity error (transfer 88).	B2
0052	F2E8	R/W in transfer parity error (transfer 88).	B3
0052	F2E9	R/W in transfer parity error (transfer 88).	B4

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2
		Result Code
0052 F2EA	R/W in transfer parity error (transfer 88).	B2 B3
0052 F2F1	Clock and detection transfer parity error (transfer 90).	B5 B4
0052 F2F3	Clock and detection transfer parity error (transfer 90).	B5
0052 F2F5	Clock and detection transfer parity error (transfer 90).	A5 B5
0052 F2F9	Clock and detection transfer parity error (transfer 90).	B4
0052 F301	Channel bus out transfer parity error (transfer A0).	A4 B5
0052 F303	Channel bus out transfer parity error (transfer A0).	B5
0052 F304	Channel bus out transfer parity error (transfer A0).	A1
0052 F305	Channel bus out transfer parity error (transfer A0).	B5
0052 F306	Channel bus out transfer parity error (transfer A0).	A1
0052 F307	Channel bus out transfer parity error (transfer A0).	A1 A4
0052 F308	Channel bus out transfer parity error (transfer A0).	A1 A4
0052 F310	Data check with write sense check.	H1 D2 D6 C1
0052 F320	Data check along with driver control failure.	D1 C5 C4 C1
0052 F330	Data check with velocity check.	D1 C5 C4 C1
0052 F340	Tape unit reject along with write sense check.	H1 D2 C1 D6

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F350	Tape unit reject with driver control failure.	D1 C5 C4 C1
0052	F360	Tape unit reject with velocity check.	D1 C5 C4 C1
0052	F370	Subsystem diagnostic error.	D2 C5 C4
0052	F371	Subsystem diagnostic error.	B5 B4 A4
0052	F372	Subsystem diagnostic error.	B3
0052	F373	Subsystem diagnostic error.	A2/A3 B3 B5
0052	F374	Subsystem diagnostic error.	A5 B1 B2 A1
0052	F375	Subsystem diagnostic error.	A5 B1 B2 B5
0052	F376	Subsystem diagnostic error.	B3 B2 A1
0052	F377	Subsystem diagnostic error.	B1 B2 A1 A4
0052	F378	Subsystem diagnostic error.	B3 A1 A4
0052	F379	Subsystem diagnostic error.	A4 B4
0052	F37A	Subsystem diagnostic error.	B3 B1 B2
0052	F37C	Subsystem diagnostic error.	C1 A2/A3 D4
0052	F37E	Subsystem diagnostic error.	D2 C1 F6
0052	F37F	Subsystem diagnostic error.	D2
0052	F410	Nonreportable error detected by microcode.	B4 B5 A1 A4
0052	F420	Internal nonreportable error.	B4
0052	F430	Nonreportable error in microcode storage card.	B4 B2 B1 A5
0052	F440	External nonreportable error.	B4 B5

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F450	Bad parity from patch modules.	B5 B4
0052	F460	Storage internal nonreportable error.	B4 B5 A4 H2
0052	F470	Storage external nonreportable error.	B4 B5
0052	F480	Channel card nonreportable error (internal).	H3 B5
0052	F490	Channel card external nonreportable error.	B4 B5 H3 H2
0052	F4A0	Interface tag error with no supporting information.	B4 B5 H3
0052	F4B0	Internal nonreportable error.	B4 B5 H2
0052	F4C0	Internal nonreportable error.	B4 B5 H2
0052	F4D0	Internal nonreportable error.	A1 B4 A4
0052	F4E0	External nonreportable error.	B4 A1
0052	F4F0	Interface tag error.	A1 C3 B4 B3
0052	F500	Interface tag error.	A1 C3 B4 B3
0052	F510	Interface tag error – op in still active.	A1 C3 B4 B3
0052	F520	Interface tag error – selective reset active.	A1 C3 B4 B3
0052	F530	Nonreportable error.	A4 B4 B5
0052	F540	Nonreportable error.	B4 B5
0052	F781	Sense data indicates that an attached unit is not attached.	B4 B5
0052	F783	Sense data indicates that an attached unit is not attached.	A2/A3 B4
0052	F785	Sense data indicates that an attached unit is not attached.	B5

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F789	Sense data indicates that an attached unit is not attached.	B4
0052	F78C	Sense data indicates that an attached unit is not attached.	C1 D4 A2/A3 B4
0052	F78E	Sense data indicates that an attached unit is not attached.	C1
0052	F790	Tape unit dropped ready.	E2 F2
0052	F791	Tape unit dropped ready.	B4 B5
0052	F793	Tape unit dropped ready.	A2/A3 B4
0052	F799	Tape unit dropped ready.	B4
0052	F79C	Tape unit dropped ready.	C1 A2/A3 D4
0052	F79E	Tape unit dropped ready.	C1
0052	F7A0	Invalid command from channel or DSE not chained.	C2 C3 D5
0052	F7A1	Invalid command from channel or DSE not chained.	B5 B4
0052	F7A3	Invalid command from channel or DSE not chained.	B5 A2/A3
0052	F7A4	Invalid command from channel or DSE not chained.	A1 B5
0052	F7A5	Invalid command from channel or DSE not chained.	B5
0052	F7A6	Invalid command from channel or DSE not chained.	A1
0052	F7A7	Invalid command from channel or DSE not chained.	A1
0052	F7A8	Invalid command from channel or DSE not chained.	A1

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F7A9	Invalid command from channel or DSE not chained.	B4
0052	F7AC	Invalid command from channel or DSE not chained.	A2/A3 A1 B5 B4
0052	F7B0	Command out active during service in service out.	A1 C2/C3 D5
0052	F7B4	Command out active during service in service out.	A1
0052	F7B6	Command out active during service in service out.	A1
0052	F7B7	Command out active during service in service out.	A1
0052	F7B8	Command out active during service in service out.	A1
0052	F7C0	No data relieved from channel during service in service out.	A1 B3 C3 D5
0052	F7C2	No data relieved from channel during service in/service out.	B3 C3 D5
0052	F7C4	No data relieved from channel during service in/service out.	A1
0052	F7C6	No data relieved from channel during service in/service out.	B3
0052	F7C7	No data relieved from channel during service in/service out.	A1
0052	F7C8	No data relieved from channel during service in/service out.	B3
0052	F7CA	No data relieved from channel during service in/service out.	B3
0052	F7D0	ARA ID burst not detected during GCR read.	H1 D2 C1 D6
0052	F7D1	ARA ID burst not detected during GCR read.	B4 B5

3430 SRC Table

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2
		Result Code
0052 F7D3	ARA ID burst not detected during GCR read.	A2/A3
0052 F7D4	ARA ID burst not detected during GCR read.	H1 A5 B1
0052 F7D5	ARA ID burst not detected during GCR read.	A5 B1
0052 F7D7	ARA ID burst not detected during GCR read.	B1
0052 F7D9	ARA ID burst not detected during GCR read.	B1 B4
0052 F7DA	ARA ID burst not detected during GCR read.	B1
0052 F7DC	ARA ID burst not detected during GCR read.	C1 A2/A3 D4
0052 F7DE	ARA ID burst not detected during GCR read.	D2 C1 D4
0052 F7DF	ARA ID burst not detected during GCR read.	D2
0052 F7E0	Gap control from tape unit not activated during write.	C4
0052 F7E1	Gap control from tape unit not activated during write.	B4 B5
0052 F7E3	Gap control from tape unit not activated during write.	A2/A3 B5
0052 F7E9	Gap control from tape unit not activated during write.	B4
0052 F7EC	Gap control from tape unit not activated during write.	A2/A3 D4
0052 F820	Overrun detected without the any error line active.	C3 D5
0052 F824	Overrun detected without the any error line active.	A1

3203 SRC Table (OU = 40, 41)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678	Definition	For result code definitions, see C2 thru C4 Card 1 Result Codes and Probability %
00xx 0000	Power on/off failure	MK60 CS10 PR10 PB05 PD05 CF05 CR04 S201
00xx 3203	Channel errors	S399
00xx 3205	Command reject (IOC)	S530 S325 S015 J110 A009 S605 E005 S201
00xx 4020	Adapter CSA parity error	J145 A040 CW10 E005
00xx 4034	Invalid disconnect	S340 S040 J120
00xx 4038	Adapter detect invalid OU	J160 S330 S010
00xx 4040	IOC internal parity error	J160 A030 CW10
00xx 4080	IOC DBI parity error	A060 J140
00xx 4101	FOB time-out	J125 A020 S320 S515 MJ10 S109 S201
00xx 4102	Invalid adapter response	J130 S330 S025 A015
00xx 4103	Error on startup	J145 A025 S320 CW05 S005
00xx 4110	Error on read sense	CE35 MI20 A015 MJ15 CD05 J105 E005

3203 SRC Table

SRC 1234 5678		Definition	For result code definitions, see C2 thru C4 Card 1 Result Codes and Probability %
00xx	4111	Error on read IOC sense, read line total, or read error log FOB	J145 A025 S320, CW05 E005
00xx	4450	Invalid SCS	S785 A005 J105 S605
00xx	4452	FOB busy (invalid channel sequence)	J135 S035 S330
00xx	5437	Intervention required – forms jam	MH99
00xx	7004	Interface check	MI30 CE25 A020 MJ10 E008 CD05 RE01 S101
00xx	7006	Incorrect length	A030 MI30 J120 CE10 CD05 E005
00xx	7010	1.6-ms timer failure	J150 S335 A015
00xx	7014	Command reject from 3203-5	A025 MI25 CE20 J120 CD05 E005
00xx	7030	Intervention required – stacker full/jam	SF98 MJ02
00xx	7101	Equipment check – miscellaneous	MA70 MJ30
00xx	7102	Equipment check – hammer fire or coil protect	MB70 MJ30
00xx	7103	Equipment check – controller check	MC60 MJ20 E020
00xx	7104	Data check – unprintable character	S790 MD06 MJ02 S602
00xx	7106	Data check – line position check	ME70 MJ30
00xx	7108	Buffer parity check – PLB	MF70 MJ30
00xx	7109	Buffer parity check – UCSB	MG70 MJ30

SRC 1234 5678		Definition	For result code definitions, see C2 thru C4 Card 1 Result Codes and Probability %
00xx	7120	Load check -- load FCB command	A025 MI25 J120 CE20 CD05 E005
00xx	7121	Load check -- write UCSB command (invalid train image)	A025 MI25 J120 CE20 CD05 E005
00xx	7122	Bus out check	MI30 CE25 A020 J110 E010 CD05
00xx	9000	Operation program error	Z199
00xx	9998	Channel busy	Z199
00xx	All other codes	Not a valid error code	Z999

3203 RC Table

Result Code	Definition	P/N
A0	Printer adapter card at location 01AA1 P2 or 01AB2 M2	8328100
CD	If the printer adapter is at 01AA1 P2, flatcable at 01AA1 P2 X (Bus) or 01AA1 P2 Y (Tag)	2549917
	If the printer adapter is at 01AB2 M2, flatcable at 01AB2 M2 X (Bus) or 01AB2 M2 Y (Tag)	2549916
CE	External Bus or Tag cable	5353920
CF	Cable 01BA1 F4 in system power controller	
CR	If 3203 OU40 is failing, power control cable from relay board to system tailgate 01DA3 A3	
	If 3203 OU41 is failing, power control cable from relay board to system tailgate 01DA3 B3	
CS	Power control cable from 3203 to system tailgate at 01DA3 A3 or 01DA3 B3	5351178
CW	Crossover at location 01AA1 P2 W or 01AB2 M2 W	1794410
E0	Electrostatic discharge	
J1	Printer attachment IOC card at location 01AA1 Q2 or 01AB2 L2	4361306
MA	3203-5 MLM page 0-220 entry point 3 (misc equipment check)	
MB	3203-5 MLM page 0-220 entry point 3 (hammer fire/coil check)	
MC	3203-5 MLM page 0-220 entry point 3 (controller check)	

Result Code	Definition	P/N
MD	3203-5 MLM page 0-220 entry point 3 (unprintable char check)	
ME	3203-5 MLM page 0-220 entry point 3 (line position check)	
MF	3203-5 MLM page 0-220 entry point 3 (PLB parity check)	
MG	3203-5 MLM page 0-220 entry point 3 (UCSB parity check)	
MH	3203-5 MLM page 0-220 entry point 15 (forms jam)	
MI	3203-5 MLM page 0-220 entry point 9 (interface problems between system and printer)	
MJ	3203-5 MLM page 0-220 entry point 3 (misc 3203-5 problem)	
MK	3203-5 MLM page 0-220 entry point 3 (3203-5 power problems)	
PB	Feature control card 01BA1 B4 in system power controller.	4176357
PD	Base logic card 01BA1 D2 in system power controller	4176537
PR	Feature control relay board in system power controller	5564869
RE	Error caused by the other 3203/4245 Printer	
S0	System problem	
S1	System 1.63-millisecond clock	
S2	System control adapter (SCA) (01AA1 C2) and SCA interface lines	4202410
S3	System channel	
S5	System VMC	

3203 RC Table

Result Code	Definition	P/N
S6	CPF or user operating system	
S7	Customer application program or data	
SF	Stacker full (not an error)	
Z1	Go to system hard-copy MAP 0500, entry point E	
Z9	Not valid error code. Inform your programming support structure.	

4245 SRC Table (OU = 40, 41)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678	Definition	For result code definitions, see C8 thru C10 Card 1 Result Codes and Probability %
00xx 0000	Power on/off failure	NK60 CS10 PR10 PB05 PD05 CF05 CR04 S201
00xx 3203	Channel errors	S399
00xx 3205	Command reject (IOC)	S530 S325 S015 J110 A009 S605 E005 S201
00xx 4020	Adapter CSA parity error	J145 A040 CW10 E005
00xx 4034	Invalid disconnect	S340 S040 J120
00xx 4038	Adapter detect invalid OU	J160 S330 S010
00xx 4040	IOC internal parity error	J160 A030 CW10
00xx 4080	IOC DBI parity error	A060 J140
00xx 4101	FOB time-out	J125 A020 S320 S515 NJ10 S109 S201
00xx 4102	Invalid adapter response	J130 S330 S025 A015
00xx 4103	Error on startup	J145 A025 S320 CW05 S005
00xx 4110	Error on read sense	CE30 WT20 NI15 A010 NJ10 CD05 J105 E005

SRC 1234 5678		Definition	For result code definitions, see C8 thru C10 Card 1 Result Codes and Probability %
00xx	4111	Error on read IOC sense, read line total, or read error log FOB	J145 A025 S320, CW05 E005
00xx	4450	Invalid SCS	S785 A005 J105 S605
00xx	4452	FOB busy (invalid channel sequence)	J135 S035 S330
00xx	5436	Intervention required – ribbon check	NR99
00xx	5437	Intervention required – forms jam	NI99
00xx	7004	Interface check	WT25 FC20 NI15 CE15 A010 NJ06 E004 CD03 RE01 S101
00xx	7006	Incorrect length	A030 WT20 FC20 NI10 J110 CE05 CD03 E002
00xx	7010	1.6-ms timer failure	J150 S335 A015
00xx	7014	Command reject from 4245	A030 WT20 FC20 NI10 CE10 J105 CD03 E002
00xx	7030	Intervention required – stacker full jam	SF98 NJ02
00xx	7031	Near end of Platen Protect Tape	TN99
00xx	7101	Equipment check – miscellaneous	NA70 NJ30
00xx	7102	Equipment check – hammer fire or coil protect	NB70 NJ30
00xx	7103	Equipment check – controller check	NC60 NJ20 E020
00xx	7104	Data check – unprintable character	S760 ND25 NJ10 S605

SRC 1234 5678	Definition	For result code definitions, see C8 thru C10 Card 1 Result Codes and Probability %
00xx 7106	Data check – line position check	NE70 NJ30
00xx 7108	Buffer parity check – PLB	NF50 FC30 NJ20
00xx 7110	End of platen protect tape	TE99
00xx 7111	Equipment check – printer channel adapter	FC50 NL20 WT05 NI05 CE05 A006 J104 E003 CD02
00xx 7112	Equipment check – wrong or failing print band	NP99
00xx 7120	Load check – load FCB command	A030 WT20 NI20 FC10 J110 CE05 CD03 E002
00xx 7122	Bus out check	WT30 NI20 FC20 CE10 A010 J105 E003 CD02
00xx 9000	Operation program error	Z199
00xx 9998	Channel busy	Z199
00xx All other codes	Not a valid error code	Z999

4245 RC Table

Result Code	Definition	P/N
A0	Printer adapter card at location 01AA1 P2 or 01AB2 M2	8328100
CD	If the Printer adapter is at 01AA1 P2, flatcable at 01AA1 P2 X (Bus) or 01AA1 P2 Y (Tag) If the Printer adapter is at 01AB2 M2, flatcable at 01AB2 M2 X (Bus) or 01AB2 M2 Y (Tag)	2549917 2549916
CE	External Bus or Tag cable	5353920
CF	Cable 01BA1 F4 in system power controller	
CR	If 4245 OU40 is failing, power control cable from relay board to system tailgate 01DA3 A3 If 4245 OU41 is failing, power control cable from relay board to system tailgate 01DA3 B3	
CS	Power control cable from 4245 to system tailgate at 01DA3 A3 or 01DA3 B3	5351178
CW	Crossover at location 01AA1 P2 W or 01AB2 M2 W	1794410
E0	Electrostatic discharge	
FC	4245 Printer Channel Adapter Card 01AA1 B2 in the printer is failing.	
J1	Printer attachment IOC card at location 01AA1 Q2 or 01AB2 L2	4361306
NA	4245 MIM MAP 1000 (misc equipment check)	
NB	4245 MIM MAP 1000 (hammer fire/coil check)	
NC	4245 MIM MAP 1000 (controller check)	
ND	4245 MIM MAP 1000 (unprintable character check)	
NE	4245 MIM MAP 1000 (line position check)	
NF	4245 MIM MAP 1000 (PLB parity check)	

Result Code	Definition	P/N
NH	4245 MIM MAP 1000 (forms jam)	
NI	4245 MIM MAP 1000 (interface problem between system and printer)	
NJ	4245 MIM MAP 1000 (misc 4245 problem)	
NK	4245 MIM MAP 1000 (4245 power problem)	
NL	4245 MIM MAP 1000 (4245 Printer Channel Adapter failure)	
NP	4245 MIM MAP 1000 (4245 failing print band)	
NR	4245 MIM MAP 1000 (4245 ribbon check)	
PB	Feature control card 01BA1 B4 in system power controller.	4176357
PD	Base logic card 01BA1 D2 in system power controller	4176537
PR	Feature control relay board in system power controller	5564869
RE	Error caused by the other 3203 4245 Printer	
S0	System problem	
S1	System 1.6 ² -millisecond clock	
S2	System co. . . adapter (SCA) (01AA1 C2) and SCA interface line.	4202410
S3	System channel	
S5	System VMC	
S6	CPF or user operating system	
S7	Customer application program or data	
SF	Stacker full (not an error)	
TE	The 4245 Platen Protection Tape has reached the end and must be replaced by a Service Representative.	
TN	The 4245 Platen Protection Tape is near the end. Five hours of print time is left before an error occurs. Have the Platen Protection Tape replaced by a service representative.	

4245 RC Table

Result Code	Definition	P/N
WT	Run the system's selectable 3203/4245 cable wrap test for the failing printer. MAP 6122	
Z1	Go to system hard-copy MAP 0500, entry point E	
Z9	Not valid error code. Inform your programming support structure.	

3430/3422 SRC Table

There are two sections for 3430 and 3422 System Reference Codes.

- 3430 starts at C12 Card 1.
- 3422 starts at A16 Card 2.

Ask the customer which type of tape drive caused the SRC (3430 or 3422).

3430 SRC Table

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code to determine the action required.

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	0000	Error occurred during power on off.	N099
0052	1000	Post event.	P140 P340 Z320
0052	1200	Unsuccessful post event.	R150 U450
0052	1300	Invalid disconnect.	S150 Z250
0052	2000	FOB error.	S199
0052	2300	Error code indicates sense required.	S090 P110
0052	2500	Tape unit busy.	S545 P125 P325 S105
0052	3000	Select in error.	N040 Q030 Q130
0052	3200	Disconnect in error.	Q299
0052	3300	Interface control check.	P235 S530 P120 P315
0052	3400	Adapter bus in check.	R635 R825 R925 R710
0052	3500	Adapter detected bus out check.	P140 P340 Z320
0052	3600	Unexpected status.	P160 S530 P310
0052	3700	Expand data error.	S370 P330
0052	3800	HDC card failure.	P370 Z330
0052	3900	Interface error.	Z340 P130 P330
0052	3A00	HDC card error.	P370 Z330

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 3B00	IOM error. DSTAT byte 4 is hex 0A, 0B, 0C, 0D). Hardware error: DSTAT byte 4 is hex 20, 21, 22, or hex 23. Unexpected error: DSTAT byte 4 is hex 25 or 26. Adapter error: DSTAT byte 4 is hex 15, 27 or 26.	S199 P399 P399 P199
0052 3C00	Block size not compatible.	P440 P130 P330
0052 3D00	Interface error.	P140 P340 Z320
0052 3E00	IOM error.	S099
0052 4000	Channel response register error.	P190 Z210
0052 4100	Channel overrun.	P145 Z230 R015 P310
0052 5000	Device problems.	S599
0052 5100	Subsystem detected bus out check.	R930 R130 R620 R820
0052 5120	Tape control unit error before this command.	R199
0052 5130	Temporary wad failure or tape unit failure.	R199
0052 5200	Intervention required.	R199
0052 5300	Command reject.	R199
0052 5400	Subsystem detected overrun.	R130 R930 R220 R420
0052 5500 thru 5E00	Device problems.	R175 P115 P310

3430 SRC Table

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	5F00	Subsystem detected word count zero.	R130 R930 R220 R420
0052	6000 and 6100	I/O error unit check.	R199
0052	7000 thru 7700	IOM detected error.	P130 P330 Z330 S010
0052	7800	IOM error.	S099
0052	EE00	Volume SDR counters were reset.	Z799
0052	9700	Channel error.	Z260 P120 P320
0052	9800	Program problem-VMC.	S199
0052	9998	Channel busy.	Z199
0052	F010	Any error line active without error data.	A4 A1 B2 B3
0052	F011	Any error line active without error data.	A4 B5 B4
0052	F012	Any error line active without error data.	B3
0052	F013	Any error line active without error data.	B5 B3 A2/A3
0052	F014	Any error line active without error data.	A1 B2
0052	F015	Any error line active without error data.	B2
0052	F016	Any error line active without error data.	A1 B2 B3
0052	F017	Any error line active without error data.	A4 A1 B2
0052	F018	Any error line active without error data.	A4 A1 B3
0052	F019	Any error line active without error data.	B4

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	F01A	Any error line active without error data.	B2 B3 A4 A1
0052	F01C	Any error line active without error data.	A2/A3 A4 A1 B2
0052	F021	Any error line active-microcode cannot reset it.	A4 B4 B5
0052	F022	Any error line active-microcode cannot reset it.	B3
0052	F023	Any error line active-microcode cannot reset it.	B5 B3 A2/A3
0052	F024	Any error line active-microcode cannot reset it.	A1 B2
0052	F025	Any error line active-microcode cannot reset it.	B5 B2
0052	F026	Any error line active-microcode cannot reset it.	A1 B2 B3
0052	F027	Any error line active-microcode cannot reset it.	A4 A1 B2
0052	F028	Any error line active-microcode cannot reset it.	A4 A1 B3
0052	F029	Any error line active-microcode cannot reset it.	B4
0052	F02A	Any error line active-microcode cannot reset it.	B2 B3
0052	F02C	Any error line active-microcode cannot reset it.	A2/A3
0052	F030	Normal operation code.	J2
0052	F040	No action is required.	J2
0052	F051	Tape unit interrupt active and cannot be reset.	B5 B4
0052	F053	Tape unit interrupt active and cannot be reset.	A2/A3 D2 C1 D6

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 F055	Tape unit interrupt active and cannot be reset.	B5
0052 F059	Tape unit interrupt active and cannot be reset.	B4
0052 F05C	Tape unit interrupt active and cannot be reset.	D4
0052 F05E	Tape unit interrupt active and cannot be reset.	D2 C1
0052 F05F	Tape unit interrupt active and cannot be reset.	D2
0052 F064	Bus in/Bus out parity error on initial selection.	A1 B2
0052 F065	Bus in/Bus out parity error on initial selection.	A1 B2
0052 F066	Bus in/Bus out parity error on initial selection.	A1 B2
0052 F067	Bus in/Bus out parity error on initial selection.	A1 B2
0052 F068	Bus in/Bus out parity error on initial selection.	A1 B2
0052 F06A	Bus in/Bus out parity error on initial selection.	B2 A1
0052 F074	Parity error on read.	A1 B2
0052 F075	Parity error on read.	A1 B2
0052 F076	Parity error on read.	A1 B2
0052 F077	Parity error on read.	A1 B2
0052 F078	Parity error on read.	A1
0052 F07A	Parity error on read.	B2

Result Code	Definition	P/N
F0	Forms or forms path	See Printer MIM parts catalog
F1	Forms jam LED assembly or forms stacker	See Printer MIM parts catalog
H0	Hammer coils or cables	See Printer MIM parts catalog
J0	Printer attachment IOC card (01AA1 Q2) (OU = 18) Printer attachment IOC card (01AB2 L2) (OU = 58)	4361306 4361306
L8	Intermittent or difficult problem MAP – thermal check 1	
L9	Intermittent or difficult problem MAP – thermal check 2	
M0	Intermittent or difficult problem MAP – carriage check 1	
M2	Intermittent or difficult problem MAP – carriage check 2	
M3	Intermittent or difficult problem MAP – carriage check 3	
M4	Intermittent or difficult problem MAP – any hammer on	
M5	Intermittent or difficult problem MAP – hammer echo check	
M6	Intermittent or difficult problem MAP – data parity check	
N7	Intermittent or difficult problem MAP – power check	
M8	Intermittent or difficult problem MAP – belt speed check	
M9	Intermittent MAP – carriage pedestal check	
N0	Intermittent or difficult problem MAP – belt up to speed	

Result Code	Definition	P/N
N1	Intermittent or difficult problem MAP – ribbon check	
N2	Intermittent or difficult problem MAP – forms jam check	
N3	Intermittent or difficult problem MAP – busy too long	
N5	Intermittent or difficult problem MAP – carriage check 4	
N6	Intermittent or difficult problem MAP – fire tier sync check	
N7	Intermittent or difficult problem MAP – power check	
N8	Intermittent or difficult problem MAP – contactor stuck closed check (in printer MLM)	
P0	Printer power	See Printer MIM parts catalog
R0	Ribbon or ribbon drive or ribbon path	See Printer MIM parts catalog
S0	System problem	
S2	System control adapter (SCA) (01AA1C2)	4202410
S3	System channel	
S4	VMC or customer application program	
S5	SCA/console adapter card 2 (01AA1 D2)	4223707 4223708 (Katakana)
Z0	Preventive maintenance on printer	
Z1	Go to MAP 0500 entry point E	
Z9	Not valid error code – inform your programming support structure	

5424 SRC Table (OU = 19)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678		Definition	For result code definitions, see B4 Card 1 Result Codes and Probability %
0019	0000	Device power off failure	A150 B150
0019	1901	Feed check 1	B190 A205 A305
0019	1902	Feed check 2	B190 A305 A205
0019	1903	Feed check 3	B190 A305 A205
0019	1904	Feed check 4	B195 A305
0019	1905	Feed check 5	B190 A305 A205
0019	1906	Feed check 6	B199
0019	1907	Feed check 7	B199
0019	1908	Feed check 8	B195 A205
0019	1909	Feed check 9	B195 A205
0019	190A	Feed check 10	B190 A205 A305
0019	190B	Feed check 11	B190 A205 A305
0019	190C	Feed check 12	B190 A205 A305,
0019	190D	Feed check 13	B190 A205 A305
0019	190E	Feed check 14	B190 A205 A305
0019	190F	Feed check 15	B190 A205 A305
0019	1910	Feed check 16	B190 A205 A305

5424 SRC Table

SRC 1234 5678		Definition	For result code definitions, see B4 Card 1 Result Codes and Probability %
0019	1911	Feed check 17	B190 A205 A305
0019	1912	Feed check 18	B190 A305 A205
0019	1913	Feed check 19	B190 A305 A205
0019	1914	Feed check 20	B199
0019	1915	Cells defective	B195 A305
0019	1916	Read check	B195 A305
0019	1917	Punch invalid	A180 Z120
0019	1918	Punch check	B190 A205 A305
0019	1919	Device address out of sequence	A450 A125 Z125
0019	191A	Fire emitter check	B195 A305
0019	191B	Print sync check	B195 A305
0019	191C	Print home check	B195 A305
0019	191D	Print clutch check	B190 A305 A205
0019	191E	Power fault	B175 A125
0019	191F	Command reject	A450 A125 Z125
0019	1920	IOC parity error from DBI	A125 A225 A325 A425
0019	1921	IOC internal parity error	A125 A225 A325 A425
0019	1922	CSA parity error	A175 A425
0019	1923	Adapter detected invalid OU	A450 A125 Z125
0019	1924	Invalid disconnect	A450 A125 Z125
0019	1925	Channel error	A450 A125 Z125

SRC 1234 5678		Definition	For result code definitions, see B4 Card 1 Result Codes and Probability %
0019	1926	FOB time-out	A450 A125 Z125
0019	1928	Operation program error	A450 A125 Z125
0019	1929	Invalid BSTAT/DSTAT data	A450 A125 Z125
0019	192A	Read sense/read data failure	A450 A125 Z125
0019	192B	Start-up failure	A450 A125 Z125
0019	1980	Hopper check	B190 A205 A305
0019	9998	Channel busy	A450 A125 Z125

5424 RC Table

Result Code	Definition	P/N
A1	Adapter card 1 (01AB2 D2 Card)	8328070
A2	Adapter card 2 (01AB2 C2 Card)	2549080
A3	Adapter card 3 (01AB2 B2 Card)	2550632
A4	IOC card (01AB2 E2 Card)	4361306
B1	5424 Box problem, on site service is required.	
Z1	Channel problem, on site service is required.	

WSC/WSC-E SRC Table

There are two sections for WSC System Reference Codes.

- WSC starts at B6 Card 1.
- WSC-E starts at B11 Card 1.
 - Ask the customer which type of controller caused the SRC (WSC or WSC-E).

If the customer does not know the type, the following procedure will help determine the type.

- Display the control unit description (CUD) of the failing control unit. Use the DSPCUD command.
- Record the TYPE parameter (WSC or WSCE) for the CUD corresponding to the SRC and report it along with the SRC when making a call for IBM service.

To find this procedure the customer can see the PDP code description of the CPF error message (in both the Messages Guide and the Problem Determination Guide).

WSC SRC Table (OU = 30-33, 70-73, B0-B3, and F0-F3)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678		Definition	For result code definitions, see B9 and B10 Card 1 Result Codes and Probability %
00xx → 0003		WSC internal error log (vary off CD)	U299
00xx → 0005		WSC internal error log (buffer overflow)	D399
00xx → 0007		WSC internal error log (program requested)	U299
00xx → 00FF		Undefined error	U199
00xx → 0120		Halt or channel parity error on opposite OU	Z265 C030 A305
00xx → 01xx		I/O error (invalid BSTAT byte 1)	S190 U210
00xx → 0201		Command invalid or invalid for startup mode	C045 C145 S110
00xx → 0202		Command invalid or invalid for inbound queue	C045 C145 S110
00xx → 0203		Command invalid or invalid for outbound queue	C045 C145 S110
00xx → 0204		Address error in read or write data storage command	C045 C145 S110
00xx → 0205		Read data command length error	C045 C145 S110
00xx → 0206		Command invalid for post error mode	C045 C145 S110
00xx → 0207		Error in load poll list command	C135 C030 C210 C310 C410 S105

SRC 1234 5678	Definition	For result code definitions, see B9 and B10 Card 1 Result Codes and Probability %
00xx → 0208	Write data FOB error	C045 C145 S110
00xx → 0209	Reset command rejected due to command pending	C045 C145 S110
00xx → 02xx	Command reject-invalid BSTAT byte 1	C045 C145 S110
00xx → 0301	Start device time-out	Z235 C025 C115 C415 A310
00xx → 0302	Channel error	Z265 C030 A305
00xx → 0303	Read sense command failed during vary off	C155 C045
00xx → 0304	Read sense command failed while processing an error	C155 C045
00xx → 0305	Vary off data	U299
00xx → 0306	FOB time-out	C050 C140 Z210
00xx → 0401	Selective reset failed during vary-on CD	S070 S230
00xx → 0402	Insufficient WSC extended data storage	S570 S030
00xx → 0403	MCR indicates this OU number is not configured	N050 S050
00xx → 0404	The translate table specified has not been installed	N170 S030
00xx → 0405	LUD device specific area invalid	D065 S035
00xx → 0500	Operation program error	Z190 S110
00xx → 0612	IOC check reset attention	C030 C130 T220 S215 A205
00xx → 0618	Adapter transmit error	C160 C035 A203 A402

WSC SRC Table

SRC 1234 5678	Definition	For result code definitions, see B9 and B10 Card 1
		Result Codes and Probability %
00xx → 0620	Control storage address parity error	C035 T035 C130
00xx → 0640	IOC internal parity error	C030 C125 C215 C315 C415
00xx → 0680	IOC DBI parity error	C020 C120 C220 C320 C419 A401
00xx → 0688	Cable address register parity error	C430 C225 T125 T315 C105
00xx → 06xx	Invalid event data byte 3	C030 C130 C214 C413 C513
00xx → 0801	SNA: resource not available	S099
00xx → 8004	SNA: unrecognized DAF	S099
00xx → 9998	Channel busy	Z199
00xx → All → other → codes	Not valid error code – inform your programming support structure	Z999

WSC RC Table

Result Code	Definition	Location/Additional Service Aids	P/N
A2	IOC/adapter initial feature	MAP 6360	
A3	Channel error	MAP 6362	
A4	Adapter failure	MAP 6364	
C0	IOC card	R2 (see note)	4361306
C1	Base adapter card	S2 (see note)	2771600
C2	Ram/driver card	T2 (see note)	8328556
C3	Ram card	U2 (see note)	2549053
C4	RAM card (8 port) or RAM/driver (16 port) card	T4 (see note) T4 (see note)	2549053 8328556
C5	RAM/driver card failure	T4 (see note)	8328556
D0	Bad device description (such as keyboard ID mismatch)		
D3	Buffered error log overflow		
N0	OU not installed		
N1	Translate table not installed		
S0	IOM or SNA detected error		

Note: Board location depends on OU number shown in position 3 and 4 of the SRC.

OU Number	WSC	Board Location
30, 31	1	01AA1
70, 71	2	01AA2
B0, B1	3	02AA2
F0, F1	4	02AA1

WSC RC Table

Result Code	Definition	Location/Additional Service Aids	P/N
S1	Program check (VMC)		
S2	SCA related failure (IOM or interface)		
S5	Verify number of logical units in the load poll list with features installed		
T0	RW to SW (top card connector)	See note	1794410
T1	SX to TX (top card connector)	See note	1794410
T2	RY to SY (top card connector)	See note	1794410
T3	SZ to TZ (top card connector)	See note	1794410
U1	Error detected by the WSC-E or IOM		
U2	Informational log entry -- no failure associated with tops code		
Z1	OP program error or channel busy	Go to MAP 0500 entry point E	
Z2	Channel error	See channel ELA MAPs	
Z9	Not valid error code. Inform your programming support.		

Note: Board location depends on OU number shown in position 3 and 4 of the SRC.

OU Number	WSC	Board Location
30, 31	1	01AA1
70, 71	2	01AA2
B0, B1	3	02AA2
F0, F1	4	02AA1

WSC-E SRC Table (OU = 30-33, 70-73, B0-B3, and F0-F3)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678	Definition	For result code definitions, see B14 and B15 Card 1
		Result Codes and Probability %
00xx - 0003	WSC-E internal error log (vary off CD)	U299
00xx - 0005	WSC-E internal error log (buffer overflow)	D399
00xx - 0007	WSC-E internal error log (program requested)	U299
00xx - 00FF	Undefined error	U199
00xx - 0110	Reset by opposite OU (I/O error)	C060 S140
00xx - 0120	Halt or channel parity error on opposite OU	Z265 C030 A305
00xx - 01xx	I/O error (invalid BSTAT byte 1)	S190 U210
00xx - 0201	Command invalid or invalid for startup mode	C045 C145 S110
00xx - 0202	Command invalid or invalid for inbound queue	C045 C145 S110
00xx - 0203	Command invalid or invalid for outbound queue	C045 C145 S110
00xx - 0204	Address error in read or write data storage command	C045 C145 S110
00xx - 0205	Read data command length error	C045 C145 S110
00xx - 0206	Command invalid for post error mode	C045 C145 S110

WSC-E SRC Table

SRC 1234 5678	Definition	For result code definitions, see B14 and B15 Card 1 Result Codes and Probability %
00xx - 0207	Error in load poll list command	C150 C045 S105
00xx - 0208	Write data FOB error	C045 C145 S110
00xx - 0209	Reset command rejected due to command pending	C045 C145 S110
00xx - 020A	Invalid OU in FOB byte 8	C045 C145 S110
00xx - 02xx	Command reject-invalid BSTAT byte 1	C045 C145 S110
00xx - 0301	Start device time-out	Z235 C035 C115 A310 N205
00xx - 0302	Channel error	Z265 C030 A305
00xx - 0303	Read sense command failed during vary off	C155 C045
00xx - 0304	Read sense command failed while processing an error	C155 C045
00xx - 0305	Vary off data	U299
00xx - 0306	FOB time-out	C075 C115 Z210
00xx - 0401	Selective reset failed during vary-on CD	C040 C130 S220 S010
00xx - 0402	Insufficient WSC-E data storage	S570 S030
00xx - 0403	MCR indicates this OU number is not configured	N050 S050
00xx - 0404	The translate table specified has not been installed	N170 S030
00xx - 0405	LUD device specific area invalid	D065 S035
00xx - 0500	Operation program error	Z190 S110
00xx - 0610	CSD parity error	C095 N205

SRC 1234 5678	Definition	For result code definitions, see B14 and B15 Card 1 Result Codes and Probability %
00xx → 0614	Adapter diagnostic failed on start up	C150 C040 T405 T505
00xx → 0618	Adapter transmit error	C160 C035 A203 A402
00xx → 0634	Invalid disconnect (post event)	Z250 C050
00xx → 063C	Link register overflow/underflow	C095 N205
00xx → 0640	IOC internal parity error or DBI parity error	C060 C130 T405 T505
00xx → 0680	IOC ABO or DBO parity error	C050 C140 T407 T502 A401
00xx → 06xx	Invalid event data byte 3	C050 C150
00xx → 0801	SNA: resource not available	S099
00xx → 8004	SNA: unrecognized DAF	S080 C020
00xx → 9998	Channel busy	Z199
00xx → D019	Ideographic extension character-RAM address not valid	D660 S140
00xx → D020	Ideographic extension character-RAM contents list missing in request I/O save area	O399
00xx → D021	Ideographic request I/O save area not valid	O399
00xx → All → other → codes	Not valid error code – inform your programming support structure	Z999

WSC-E RC Table

Result Code	Definition	Location/Additional Service Aids	P/N
A2	IOC/adaptor initial feature	MAP 6370	
A3	Channel error	MAP 6372	
A4	Adapter failure	MAP 6374	
C0	IOC card	U2 WSC-E 1-4, S2 WSC-E 5-8 (See Note)	2445927
C1	Base adapter card	T2 WSC-E 1-4, R2 WSC-E 5-8 (See Note)	2445929
D0	Bad device description (such as keyboard ID mismatch)		
D3	Buffered error log overflow		
D6	Ideographic device failure		
N0	OU not installed		
N1	Translate table not installed		
N2	IOC-E micro code problem		
O3	CPF VMC interface error		
S0	IOM or SNA detected error		
S1	Program check (VMC)		

Note: Board location depends on OU number shown in position 3 and 4 of the SRC.

OU	WSC-E	Board Loc	OU	WSC-E	Board Loc
30, 31	1	01AA1	32,33	5	01AA1
70, 71	2	01AA2	72,73	6	01AA2
B0, B1	3	02AA2	B2,B3	7	02AA2
F0, F1	4	02AA1	F2,F3	8	02AA1

Result Code	Definition	Location/Additional Service Aids	P/N
S2	SCA related failure (IOM or interface)		
S5	Verify number of logical units in the load pool list with features installed		
T4	X Crossover	TX to UX for WSC-E 1-4, RX to SX for WSC-E 5-8 (See note)	1794410
T5	Y Crossover	TY to UY for WSC-E 1-4, RY to SY for WSC-E 5-8 (See note)	1794410
U1	Error detected by the WSC-E or IOM		
U2	Informational log entry – no failure associated with this code		
Z1	OP program error or channel busy	Go to MAP 0500 entry point E	
Z2	Channel error	See channel ELA MAPs	
Z9	Not valid error code. Inform your programming support.		

Note: Board location depends on OU number shown in position 3 and 4 of the SRC.

OU	WSC-E	Board Loc	OU	WSC-E	Board Loc
30, 31	1	01AA1	32,33	5	01AA1
70, 71	2	01AA2	72,73	6	01AA2
B0, B1	3	02AA2	B2,B3	7	02AA2
F0, F1	4	02AA1	F2,F3	8	02AA1

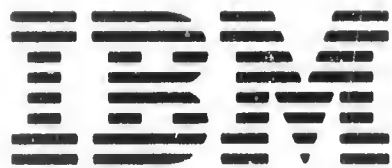
3203/4245 SRC Table

There are two sections for 3203 and 4245 System Reference Codes.

- 3203 starts at B17 Card 1.
- 4245 starts at C5 Card 1.
 - Ask the customer which type of printer caused the SRC (3203 or 4245).

If the customer does not know the type, the following procedure will help determine the type.

- Display the device description (DEV D) of the failing Printer. Use the DSPDEV D command.
- Record the DEVTYPE parameter (3203 or 4245) for the DEV D corresponding to the SRC and report it along with the SRC when making a call for IBM service.



S229-8165-7

IBM System/22

IBM System/31

Reference Code

A01

Card 1

Fifth Edition (June 1986)

This major revision makes obsolete S229-8165-6. Because the changes and additions are extensive, this publication should be reviewed in its entirety. Changes and additions were made to support the 9332/9335 DASD and Attachment.

Changes are periodically made to the information herein; any such changes will be reported in subsequent revisions or Technical Newsletters.

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System/38 Reference Code (SRC)

Use position **1** of the SRC to find the proper microfiche card and frame. Invalid codes are not shown.

SRC Table

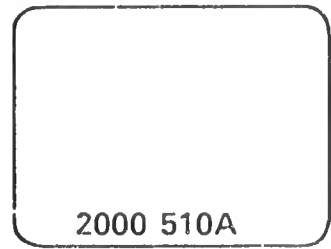
SRC 1234 5678	Row/Frame/Card	Device
Help with SRC	A2 Card 1	How to use SRC
0xxx xxxx	A4 Card 1	I/O Devices
1xxx xxxx	D6 Card 2	SCA Detected
2xxx xxxx	D13 Card 2	CPU (MS, CS, Chan, Planar)
3xxx xxxx	E18 Card 2	62PC
4xxx xxxx	A7 Card 3	3370
6xxx xxxx	B10 Card 3	I/O Power
7xxx xxxx	C14 Card 3	9332/9335 Attachment
8xxx xxxx	D3 Card 3	9335
9xxx xxxx	A17 Card 4	9332
Fxxx xxxx	B12 Card 3	Console Status

How to Use the System Reference Code (SRC) Table

- The customer is directed by the Problem Determination (PD) Guide to gather information, record, and report the 8-character SRC when placing a call for service. (See frame A3, then return here)
- If no SRC is reported, the CE should contact the customer and determine if information is available to create a SRC. See Frame A3 for the information sources.
- Look up the SRC on these microfiche cards to determine:
 - Failing feature or device.
 - Probable failing FRUs with % of probability.
 - FRU part numbers.
 - Need for programming support.
 - References to the maintenance package.
 - Start at Frame A1 and follow the instructions as they are presented to decode the SRC.
- This information will allow the CE to determine what service action is required and what FRUs should be taken on the service call.

- The customer gets the SRC from *one* of the three sources shown depending on the type of problem.

Example 1 Machine Check With SRC on Screen

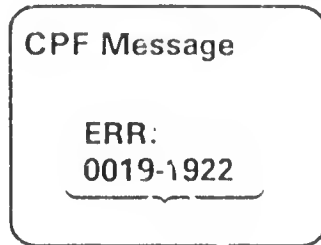


2000 510A

Valid Codes:

SCA-1XXX XXXX
CPU-2XXX XXXX
62PC-3XXX XXXX
3370-4XXX XXXX
Power-6XXX XXXX

Example 2 CPF Message on Screen



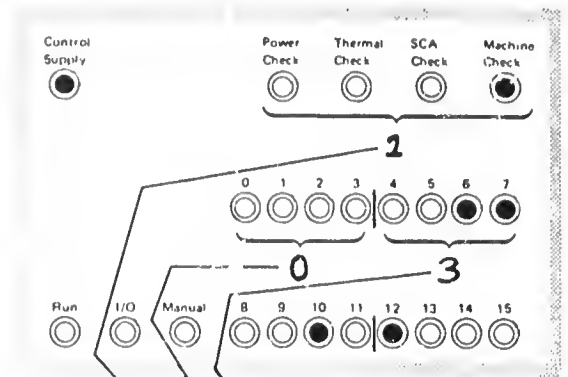
OUOU' ERRC
0019 1922

Valid Codes:

I/O-00XX XXXX

With
Machine
Check On

Example 3 Machine Check With Blank Screen



F001 0328

Valid Codes:

F000 XXXX
Mach Ck-F001 XXXX
SCA-F002 XXXX
SCA/Mach Ck-F003 XXXX
Thermal-F004 XXXX
Power-F008 XXXX
Power/Thermal-F00C XXXX

With
Blank
Screen

XXXX XXXX

System Reference Code

I/O Devices SRC Table

Use positions **3, 4** (OU number) of the SRC to find the proper card and frame.

SRC 1234 5678	Row/Frame/Card	Device
0001 XXXX	On-site service is required	SCA
0002 XXXX	A6 Card 1	Console
0003 XXXX	A6 Card 1	Console
0012 XXXX	On-site service is required	72MD
0015 XXXX	A9 Card 1	3410/11
0018 XXXX	A12 Card 1	3262/5211-1
0019 XXXX	B1 Card 1	5424
0020 XXXX	On-site service is required	Comm Line 1T
0021 XXXX	On-site service is required	Comm Line 2T
0022 XXXX	On-site service is required	Comm Line 3T
0023 XXXX	On-site service is required	Comm Line 4T
0028 XXXX	On-site service is required	Comm Line 1R
0029 XXXX	On-site service is required	Comm Line 2R
002A XXXX	On-site service is required	Comm Line 3R
002B XXXX	On-site service is required	Comm Line 4R
0030 XXXX	B5 Card 1	WSC/WSC-E 1T
0031 XXXX	B5 Card 1	WSC/WSC-E 1R
0032 XXXX	B5 Card 1	WSC-E 5T
0033 XXXX	B5 Card 1	WSC-E 5R
0040 XXXX	B16 Card 1	First 3203/4245

SRC 1234 5678	Row/Frame/Card	Device
00 41 XXXX	B16 Card 1	Second 3203/4245
00 52 XXXX	C11 Card 1	3430/3422
00 58 XXXX	A12 Card 1	3262/5211-2
00 5C 70XX	D10 Card 2	X.25
00 5E 70XX	D10 Card 2	X.25
00 70 XXXX	B5 Card 1	WSC/WSC-E 2T
00 71 XXXX	B5 Card 1	WSC/WSC-E 2R
00 72 XXXX	B5 Card 1	WSC-E 6T
00 73 XXXX	B5 Card 1	WSC-E 6R
00 B0 XXXX	B5 Card 1	WSC/WSC-E 3T
00 B1 XXXX	B5 Card 1	WSC/WSC-E 3R
00 B2 XXXX	B5 Card 1	WSC-E 7T
00 B3 XXXX	B5 Card 1	WSC-E 7R
00 F0 XXXX	B5 Card 1	WSC/WSC-E 4T
00 F1 XXXX	B5 Card 1	WSC/WSC-E 4R
00 F2 XXXX	B5 Card 1	WSC-E 8T
00 F3 XXXX	B5 Card 1	WSC-E 8R

Console SRC Table (OU = 02, 03)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678		Definition	For result code definitions, see A7 and A8 Card 1 Result Codes and Probability %
00xx	0101	Channel error	Z290 N110
00xx	0104	Not valid screen format (I/O exception)	P099
00xx	0105	Command reject	P199
00xx	0201	CRT cable out	M135 C030 D030 A105
00xx	0202	Keyboard cable out	M150 C140 A110
00xx	0203	Screen buffer parity error	A195 S005
00xx	0204	Screen buffer/DBI parity error	X040 A130 S025 B005
00xx	0205	Keyboard overrun	N075 K010 K110 C204 A101
00xx	0206	Invalid keyboard scan code	K045 K135 C110 A105 S005
00xx	0301	Post event (IOC1 parity error)	N150 S020 A120 B110
00xx	0302	Post event (not valid disconnect)	Z290 N110
00xx	0401	Not valid BSTAT/DSTAT data	U070 P220 A110
00xx	0402	FOB time-out	M255 N120 S020 A105
00xx	0403	Operational program error	Z199
00xx	9998	Channel busy	Z199

Console RC Table

Result Code	Definition	P/N
A1	SCA/console adapter card 2 (01AA1 D2)	4223707 (4223708 for Katakana)
B0	01AA1 board – check DBI/CS data bit P/8 input at D2 M11 for continuity and for a shorted net.	
B1	01AA1 board – check IOC interface lines from 01AA1 B2 to C2 or D2 for continuity and for shorted nets.	
C0	Cable from 01AA1 D2 Z to the CRT.	2549410
C1	Cable from 01AA1 D2 Y to the keyboard.	2550924
C2	Cable from 01AA1 D2 Y to the keyboard.	2550924
D0	CRT assembly – see Volume B (B12-130) for removal/replacement procedure	2549412
K0	Keyboard cleaning procedure – B12-150	
K1	Keyboard logic PC board.	8626969
M1	Check console cable continuity -- see Volume A (A20-040)	
M2	Use the SCA ELA MAPs to identify related problems.	
N0	Operator pressed several keys at once. (This is not a failure condition.)	
N1	IOC1 (01AA1 B2)	4361306
P0	Program data-write command control not correct. See Volume B (B12-210 parts 2 and 3) for a description of when the I/O Exception Status bit is set to signal incorrect screen format errors.	

Console RC Table

Result Code	Definition	P/N
P1	The console IOM sent a command that is not valid for the console – inform your programming support structure	
P2	BSTAT/DSTAT data not correct – inform your programming support structure	
S0	SCA/console adapter card 1 (01AA1 C2)	4202410
U0	No DSTAT returned for an I/O error – possible causes of console I/O errors are on B12-020 (Part 2)	
X0	X-crossover connector, (01AA1 C2 X to D2 X)	1794410
Z1	Use MAP 0500, entry point E to determine service required.	
Z2	Use the channel ELA MAPs to determine service required.	

3410/11 SRC Table (OU = 15)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678		Definition	For result code definitions, see A11 Card 1 Result Codes and Probability %
0015	1100	Channel error	A540 B640 S1:5 A405
0015	1200	Channel error disconnect	B590 A405 B605
0015	1400	Channel error-sequence	A550 B650
0015	1500	Channel error-overflow	B650 A425 A525
0015	2100	IOC check	A450 A550
0015	3200	Command reject-sense required	A450 A550
0015	4100	ABI/ABO parity error on status update	S165 A435
0015	4200	ABI parity error	S180 A420
0015	4300	ABO parity error	A499
0015	4400	ABI parity attachment	A499
0015	5200	ABO error	A450 S150
0015	5300	Control tag	A460 S140
0015	5400	Instruction tag	A460 S140
0015	6100	CMD reject-status update interface error	S165 A435
0015	6200 thru 62FF	3411 interface tag error	S150 A550

SRC 1234 5678		Definition	For result code definitions, see A11 Card 1 Result Codes and Probability %
0015	6300	Initial error	S180 A420
0015	8800	Illegal command	S160 A440
0015	8A00	Word count 0	S160 A440
0015	8C00	Drive not attached	S195 A405
0015	9998	Channel busy	Z199
0015	B200	Attachment 3411 overrun	S155 A425 A520
0015	B300	Bus out check	A450 S150
0015	B900	NRZI write error	S160 A420 A520
0015	BD00	PE write error	S160 A420 A520
0015	C200	Attachment 3411 overrun	S155 A425 A520
0015	E110	Read sense failed during error recovery	A440 A540 B615 S105
0015	E140 thru 0015 E210	See B42-230 (Part 10) for the error description	A440 A540 B615 S105
0015	E290	FOB time-out	S185 A405 A505 B605
0015	All other codes	Tape subsystem problem	S199

3410/11 RC Table

Result Code	Definition	P/N
A4	Adapter card (01AB2 N2)	4364098
A5	IOC Card (01AB2 P2)	4361306
B5	VMC problem	
B6	Channel problem	
S1	3410/11 subsystem problem, on-site service is required	
Z1	Use MAP 0500, entry point E to determine service required	

3262/5211 SRC Table (OU = 18, 58)

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678	Definition	For result code definitions, see A16 thru A18 Card 1 Result Codes and Probability %
00xx 0000	Power on/off failure	P035 N735 A015 CX10 S202 S502 S001
00xx 3203	Channel errors	S399
00xx 3205	Command reject (IOC)	J030 S430 A010 S310 S010 S206 S504
00xx 3215	Wrong belt/image	S450 B035 J010 B105
00xx 4008	Carriage advance overrun	C160 E020 A015 CY05
00xx 4020	Adapter CSA parity error	E030 A030 J030 CW10
00xx 4034	Invalid disconnect	S340 S040 J020
00xx 4038	Adapter detect invalid OU	J070 S030
00xx 4040	IOC internal parity error	J045 A045 CW05 S005
00xx 4080	IOC DBI parity error	A045 J045 S010
00xx 4101	FOB time-out	J040 A040 S310 CW05 S005
00xx 4102	Invalid adapter response	J050 S040 A010
00xx 4103	Error on startup command	J030 A030 S420 S020
00xx 4105	Error recovery failure on read sense	J050 A050
00xx 4106	Error on read sense due to channel error	S330 J030 A020 S020

SRC 1234 5678	Definition	For result code definitions, see A16 thru A18 Card 1 Result Codes and Probability %
00xx 4107	Error recovery failure on read error log	J050 A050
00xx 4108	Error on read error log due to channel error	S330 J030 A020 S020
00xx 4447	Invalid interrupt	J050 A050
00xx 4450	Invalid SCS command	S480 J010 A010
00xx 4452	Invalid channel sequence	J050 S330 S020
00xx 5420	Carriage check 1	C135 M035 F010 E010 A005 CY05
00xx 5421	Manual carriage check	C185 F005 A005 CY05
00xx 5422	Cable interlock	CX30 CY30 CZ20 A020
00xx 5423	Carriage check 2	M245 C140 F005 A005 CY05
00xx 5424	Carriage check 3	C135 M335 F010 E010 A005 CY05
00xx 5425	Any hammer on check	H035 M435 A010 B205 CY05 CZ05 E005
00xx 5426	Hammer echo check	H035 M535 A010 B205 CY05 CZ05 E005
00xx 5427	Data parity check	M665 E020 A010 CZ05
00xx 5430	Belt sync check	M745 B020 B120 A005 CY05 E005

SRC 1234 5678		Definition	For result code definitions, see A16 thru A18 Card 1 Result Codes and Probability %
00XX	5431	Belt speed check	M840 B330 B010 A010 B105 CY05
00XX	5432	Carriage pedestal check	M950 C135 A010 CY05
00XX	5433	Belt up to speed check	N040 B330 B015 A010 CY05
00XX	5434	Thermal check 1	L885 A010 CX05
00XX	5435	Thermal check 2	L985 A010 CX05
00XX	5436	Ribbon check	R045 N135 A010 B005 CY05
00XX	5437	Forms jam check	F030 F130 N225 A005 CY05 E005
00XX	5440	Printer busy too long	R045 N340 B005 A005 CY05
00XX	5441	Printer busy too often	R040 N335 A010 CY10 B005
00XX	5442	Carriage check 4	C135 N535 F010 E010 A005 CY05
00XX	5443	Fire tier sync check	N655 B110 B210 B010 A010 CZ05
00XX	5444	Power fault	N770 P010 A010 S305 CX05
00XX	5451	Contactor stuck closed	N875 A010 CY10 CZ05

SRC 1234 5678	Definition	For result code definitions, see A16 thru A18 Card 1 Result Codes and Probability %
00XX 5500	Belt up to speed retries	Z099
00XX 9000	Operation program error	Z199
00XX 9998	Channel busy	Z199
00XX All other codes	Not a valid error code	Z999

3262/5211 RC Table

Result Code	Definition	P/N
A0	Printer adapter card (01AA1 P2) (OU = 18) Printer adapter card (01AB2 M2) (OU = 58)	2771576 2771576
B0	Print belt	P/N varies with customer requirements
B1	Printer subscans transducer or print belt emitter	See Printer MIM parts catalog
B2	Impression control potentiometer or switch assembly	See Printer MIM parts catalog
B3	Print belt drive or belt LED assembly or belt path	See Printer MIM parts catalog
C1	Carriage drive or carriage motor feedback LED assembly	See Printer MIM parts catalog
CW	Attachment W crossover (01AA1 P2-Q2) (OU = 18) Attachment W crossover (01AB2 M2-L2) (OU = 58)	1794410 1794410
CX	X signal cable or interposer (01AA1 P2) (OU = 18) X signal cable or interposer (01AB2 M2) (OU = 58)	2548429 5997533 2549914 5997533
CY	Y signal cable or interposer (01AA1 P2) (OU = 18) Y signal cable or interposer (01AB2 M2) (OU = 58)	2548429 5997533 2549914 5997533
CZ	Z signal cable or interposer (01AA1 P2) (OU = 18) Z signal cable or interposer (01AB2 M2) (OU = 58)	2548429 2548429 5997533 5997533
¹ If printer is 3262-A1 (bolt-on), do not use this P/N for cables, but refer to printer MIM parts catalog.		
E0	Electrostatic discharge	See Printer MIM parts catalog

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X00 XX2F	Control store failure	B975 B120 B403 B501 B301
2X00 XX30	Internal microcode error	B660 B130 B405 G903 B302
2X00 XX31	Control store failure	N175 B120 B403 B501 B301
2X00 XX32	Control store failure	B975 B120 B403 B501 B301
2X00 XX33	CPU control store parity check	N375 B120 B403 B501 B301
2X00 XX35	Control store failure	C260 B130 B408 B501 B301
2X00 XX36	Control store failure	C360 B130 B408 B501 B301
2X00 XX37	Control store failure	C230 C320 B115 B404 B301
2X00 XX38	Control store failure	C160 B130 B404 B301
2X00 XX3D	Control store failure	C160 C230 B108 B401 B301
2X00 XX3E	Control store failure	C160 C330 B108 B401 B301
2X00 XX3F	Control store failure	B234 B133 B432 B301
2X00 XX40	DHMC detected channel failure	B135 D135 A116 D305 F305 D201 B301 B401 ZY01

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X00 XX41	DHMC detected channel failure	B130 D130 A130 D306 D201 B301 B401 ZY01
2X00 XX42	DHMC detected channel failure	D599
2X00 XX43	DHMC detected channel failure	Y299
2X00 XX44	DHMC detected channel failure	A199
2X00 XX45	DHMC detected channel failure	B132 D132 D532 B301 B401 D201 D301
2X00 XX46	DHMC detected channel failure	B132 D132 Y232 B301 B401 D201 D301
2X00 XX48	DHMC detected channel failure	B199
2X00 XX50	DHMC detected main store failure	H175 B120 B403 B302
2X00 XX51	DHMC detected main store failure	H275 B120 B403 B302
2X00 XX52	DHMC detected main store failure	H375 B120 B403 B302
2X00 XX53	DHMC detected main store failure	H475 B120 B403 B302
2X00 XX54	DHMC detected main store failure	H575 B120 B403 B302
2X00 XX55	DHMC detected main store failure	H675 B120 B403 B302
2X00 XX56	DHMC detected main store failure	H775 B120 B403 B302
2X00 XX57	DHMC detected main store failure	H875 B120 B403 B302
2X00 XX58	DHMC detected main store failure	B165 H920 HA05 B405 G903 B302
2X00 XX59	DHMC detected main store failure	B160 G920 B615 B403 B302

SRC 1234 5678		Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X00	XX60	DHMC detected planar failure	ZM80 B120
2X00	XX80	Channel bus test	X099
2X00	XX81	Channel bus test	X199
2X00	XX82	Channel bus test	X299
2X00	XX83	Channel bus test	X399
2X00	XX84	Channel bus test	X499
2X00	XX85	Channel bus test	B199
2X00	XX86	Channel bus test	B199
2X00	XXE0	Error or read write MS Status word	Z375 A220 D103 D301 D201
2X00	XXE1	VMC start error	B175 A222 A403
2X00	XXE2	HMC init error	B175 B220 Z703 B301
2X00	XXE3	Time out during channel test	B140 D135 D320 D205
2X00	XXE4	VMC init failure	B175 Z620 Z703 B301
2X00	XXE5	Error in SCA scanning CPU	B150 A219 D115 D315 A401
2X00	XXE6	LSSD Mag Media error	Z499 A401
2X00	XXF7	VMC detected error	Z999
2X00	XXF8	Scan error F2 Chan Converter card	D185 A210 A405
2X00	XXF9	Scan error E2 Chan Converter card	D385 A210 A405
2X00	XXFA	Second machine check and cannot read CPU	B640 B235 B125

CPU SRC Table

SRC 1234 5678		Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X00	XXFB	Error in SCA scanning out CPU	B140 A235 A425
2X00	XXFC	Error in SCA reading CPU storage	B140 A235 A425
2X00	XXFD	SCA detected error in hex conversion	A599
2X00	XXFE	Error in SCA scanning to the CPU SI register	B140 A235 A425
2X00	XXFF	VAT detected machine check	Z150 Z250
2X50	X02X	IO data bit	B199
2X50	X03X	IO tag in or parity bit	B199
2X50	X060	Chan data bit 0 (01AA1 B2 S02)	X799
2X50	X061	Chan data bit 1 (01AA1 B2 S03)	X799
2X50	X062	Chan data bit 2 (01AA1 B2 S04)	X799
2X50	X063	Chan data bit 3 (01AA1 B2 S05)	X799
2X50	X064	Chan data bit 4 (01AA1 B2 S07)	X799
2X50	X065	Chan data bit 5 (01AA1 B2 S08)	X799
2X50	X066	Chan data bit 6 (01AA1 B2 S09)	X799
2X50	X067	Chan data bit 7 (01AA1 B2 U10)	X799
2X50	X068	Chan data bit 8 (01AA1 K2 G02)	X799
2X50	X069	Chan data bit 9 (01AA1 K2 G03)	X799
2X50	X06A	Chan data bit 10 (01AA1 K2 G04)	X799
2X50	X06B	Chan data bit 11 (01AA1 K2 G05)	X799
2X50	X06C	Chan data bit 12 (01AA1 K2 G08)	X799

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2
		Result Codes and Probability %
2X50 X06D	Chan data bit 13 (01AA1 K2 G09)	X799
2X50 X06E	Chan data bit 14 (01AA1 K2 G10)	X799
2X50 X06F	Chan data bit 15 (01AA1 K2 G11)	X799
2X50 X070	Chan data bit P0 (01AA1 K2 U11)	X799
2X50 X071	Chan data bit P1 (01AA1 K2 G12)	X799
2X50 X078	Chan valid B (01AA1 B2 U12)	X799
2X50 X079	Chan valid H (01AA1 K2 M02)	X799
2X50 X07A	Chan EOC (01AA1 B2 U13)	X799
2X50 X07B	Chan prefetch (01AA1 F2 S10)	X799
2X50 X07C	Chan error (01AA1 B2 P11)	X799
2X50 X08X	Chan data bit	D195 B103 B301 BC01
2X50 X090	Chan data bit P0	D199
2X50 X091	Chan data bit P1	D199
2X50 X098	Chan valid B	D199
2X50 X099	Chan valid H	D185 B105 B305 BB05
2X50 X09A	Chan EOC	D185 B105 B305 BB05
2X50 X09B	Chan prefetch	D185 B105 B305 BC05
2X50 X09C	Chan error	D185 B105 B305 BB05
2X50 X0F4	Enhanced channel diagnostics	D380 B310 B105 BB05
2X60 X02X	IO data bit	B199

SRC 1234 5678		Definition	For result code definitions, see E10 Card 1 and E17 Card 2 Result Codes and Probability %
2X60	X030	IO data bit P0	B199
2X60	X031	IO data bit P1	B199
2X60	X038	IO valid B (01APL B4 D11)	X599
2X60	X039	IO valid H (01APL B4 B12)	X599
2X60	X03A	IO EOC (01APL B4 D07)	X599
2X60	X03B	IO prefetch (01APL B5 B04)	X599
2X60	X03C	IO Error (01APL B4 D13)	X599
2X60	X060	Chan data bit 0 (02AA1 A5 D06)	X899
2X60	X061	Chan data bit 1 (02AA1 A5 D07)	X899
2X60	X062	Chan data bit 2 (02AA1 A5 D09)	X899
2X60	X063	Chan data bit 3 (02AA1 A5 D10)	X899
2X60	X064	Chan data bit 4 (02AA1 B1 C11)	X899
2X60	X065	Chan data bit 5 (02AA1 B1 D11)	X899
2X60	X066	Chan data bit 6 (02AA1 C1 A11)	X899
2X60	X067	Chan data bit 7 (02AA1 C1 B11)	X899
2X60	X068	Chan data bit 8 (02AA1 M1 D11)	X899
2X60	X069	Chan data bit 9 (02AA1 N1 A11)	X899
2X60	X06A	Chan data bit 10 (02AA1 N1 B11)	X899
2X60	X06B	Chan data bit 11 (02AA1 N1 C11)	X899
2X60	X06C	Chan data bit 12 (02AA1 L1 D13)	X899
2X60	X06D	Chan data bit 13 (02AA1 M1 A13)	X899

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X60 X06E	Chan data bit 14 (02AA1 M1 C13)	X899
2X60 X06F	Chan data bit 15 (02AA1 N1 A13)	X899
2X60 X070	Chan data bit P0 (02AA1 C1 A13)	X899
2X60 X071	Chan data bit P1 (02AA1 M1 B11)	X899
2X60 X078	Chan valid B (02AA1 T1 D11)	X899
2X60 X079	Chan valid H (02AA1 H1 E11)	X899
2X60 X07A	Chan EOC (02AA1 U1 B13)	X899
2X60 X07B	Chan prefetch (02AA1 V5 B08)	X899
2X60 X07C	Chan error (02AA1 V5 D05)	X899
2X60 X08X	Chan data bit	D395 B103 B301 BC01
2X60 X090	Chan data bit P0	D399
2X60 X091	Chan data bit P1	D399
2X60 X098	Chan valid B	D385 B105 B305 BB05
2X60 X099	Chan valid H	D399
2X60 X09A	Chan EOC	D399
2X60 X09B	Chan prefetch	D399
2X60 X09C	Chan error	D399
2X60 X0F4	Enhanced channel diagnostics	D345 D140 B105 B305 BB05
2XC0 X020	IO data bit 0 (01APL B5 D11)	X699

CPU SRC Table

SRC 1234 5678		Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2XC0 X021		IO data bit 1 (01APL B5 B08)	X699
2XC0 X022		IO data bit 2 (01APL B5 B12)	X699
2XC0 X023		IO data bit 3 (01APL B4 D09)	X699
2XC0 X024		IO data bit 4 (01APL B4 D05)	X699
2XC0 X025		IO data bit 5 (01APL B5 B02)	X699
2XC0 X026		IO data bit 6 (01APL B5 D03)	X699
2XC0 X027		IO data bit 7 (01APL B4 D06)	X699
2XC0 X028		IO data bit 8 (01APL B5 B10)	X699
2XC0 X029		IO data bit 9 (01APL B5 D10)	X699
2XC0 X02A		IO data bit 10 (01APL B5 D09)	X699
2XC0 X02B		IO data bit 11 (01APL B4 B09)	X699
2XC0 X02C		IO data bit 12 (01APL B4 B08)	X699
2XC0 X02D		IO data bit 13 (01APL B4 B15)	X699
2XC0 X02E		IO data bit 14 (01APL B5 D02)	X699
2XC0 X02F		IO data bit 15 (01APL B4 B13)	X699
2XC0 X030		IO data bit P0 (01APL B4 B10)	X699
2XC0 X031		IO data bit P1 (01APL B4 B06)	X699
2XC0 X032		IO TA (01APL B5 D07)	X699
2XC0 X033		IO TP (01APL B5 B06)	X699
2XC0 X034		IO TD (01APL B5 D13)	X699
2XC0 X035		IO grant (01APL B5 B09)	X699

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2XC0 X036	IO disconnect (01APL B5 D09)	X699
2XC0 X037	IO halt (01APL B5 D05)	X699
2XC0 X04X	IO data bit	B170 D110 B310 BA10
2XC0 X050	IO data P0	B170 D110 B310 BB10
2XC0 X051	IO data P1	B170 D110 B310 BB10
2XC0 X052	IO TA	B170 D110 B310 BC10
2XC0 X053	IO TP	B170 D110 B310 BC10
2XC0 X054	IO TD	B170 D110 B310 BC10
2XC0 X055	IO grant	B170 D110 B310 BC10
2XC0 X056	IO disconnect	B170 D110 B310 BC10
2XC0 X057	IO halt	B170 D110 B310 BC10
2XC0 X072	Chan TA (01AA1 A4 B02)	X799
2XC0 X073	Chan TP (01AA1 A4 B04)	X799
2XC0 X074	Chan TD (01AA1 A4 B06)	X799
2XC0 X075	Chan grant (01AA1 A3 B02)	X7p99
2XC0 X076	Chan disconnect (01AA1 A3 B04)	X799
2XC0 X077	Chan halt (01AA1 A3 B06)	X799
2XC0 X092	Chan TA (01AA1 B5 D02)	D199
2XC0 X093	Chan TP (01AA1 B5 D04)	D199
2XC0 X094	Chan TD (01AA1 B5 D05)	D199
2XC0 X095	Chan Grant (01AA1 B5 D06)	D190 D310

CPU SRC Table

SRC 1234 5678		Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2XC0	X096	Chan disconnect (01AA1 B5 D07)	D199
2XC0	X097	Chan halt (01AA1 B5 D09)	D199
2XC0	X0F1	Enhanced channel diagnostics	D180 D310 B305 BD05
2XC0	X0F2	Enhanced channel diagnostics	D199
2XD0	X02X	IO data bit	D395 B305
2XD0	X03X	IO tag out or parity bit	D395 B305
2XD0	X04X	IO data bit	B180 D320
2XD0	X050	IO data bit P0	B180 D320
2XD0	X051	IO data bit P1	B180 D320
2XD0	X052	IO TA	B180 D320
2XD0	X053	IO TP	B180 D320
2XD0	X054	IO TD	B180 D320
2XD0	X055	IO Grant	B180 D320
2XD0	X056	IO disconnect	B180 D320
2XD0	X057	IO halt	B180 D320
2XD0	X072	Chan TA (02AA1 A5 B02)	X899
2XD0	X073	Chan TP (02AA1 A5 B04)	X899
2XD0	X074	Chan TD (02AA1 A5 B06)	X899
2XD0	X075	Chan Grant (02AA1 A1 D13)	X899
2XD0	X076	Chan disconnect (02AA1 B1 C13)	X899
2XD0	X077	Chan halt (02AA1 B1 A13)	X899

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2XD0 X092	Chan TA (02AA1 A5 B02)	D399
2XD0 X093	Chan TP (02AA1 A5 B04)	D399
2XD0 X094	Chan TD (02AA1 A5 B06)	D399
2XD0 X095	Chan Grant (02AA1 A1 D13)	D399
2XD0 X096	Chan disconnect (02AA1 B1 C13)	D399
2XD0 X097	Chan halt (02AA1 B1 A13)	D399
2XD0 X0F1	Enhanced channel diagnostics	D390 B305 BD05
2XD0 X0F2	Enhanced channel diagnostics	D399
2XD0 X0F3	Enhanced channel diagnostics	D399

CPU RC Table

Result Code	Definition	P/N
A1	SCA/console IOC card (01AA1 B2)	4361306
A2	SCA/console card 1 (01AA1 C2)	4202410
A3	SCA/console card 2 (01AA1 D2)	4223707 4223708 (Katakana)
A4	SCA cable to planar (01AA1Z1 to 01AB1W3)	
A5	SCA microcode SLV1A	
B1	Planar (01APL)	8328300 (Mod 3-5) 4361076 (Mod 1-2, 6-8) 6370231 (Mod 9, A-F)
B2	One or more control store cards (01AB1 S2, T2, U2, V2, R2)	5122494 (Mod 3) 6229416 (Mod 1-2, 4-9, A-F) 8691997 (Mod A-E)
B3	Array board (01AB1)	2550894 (Mod 3-5) 8328320 (Mod 1-2, 6-8) 6203380 (Mod 9, F) 2445854 (Mod A-E)
B4	Interposers	2549343 (power) 2549344 (signal)
B5	Control store terminator cards (01AB1 R2, R4) Not used on Mod A, C	8328248 (Mod 1-2, 6-8) 2549056 (Mod 3-5, 9, F)
B6	One or more mainstore cards (01AB1 G2, H2, J2, K2, L2, M2, N2, P2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)

Result Code	Definition	P/N
B7	Control store card (01AB1 V2)	6229416 (Mod 1-2, 4-9, F)
B8	Control store card (01AB1 U2)	6229416 (Mod 1-2, 4-9, F)
B9	Control store card (01AB1 T2)	5122494 (Mod 3) 6229416 (Mod 1-2, 7-9)
BA	Interposer (01AB1 B4 or B5)	2549344
Bb	Interposer (01AB1 B4)	2549344
BC	Interposer (01AB1 B5)	2549344
BD	Interposer (01AB1 X2)	2549344
C1	Control store card (01AB1 R2)	6229416 (Mod A-F)
C2	Control store card (01AB1 S2)	8691997 (Mod A-F)
C3	Control store card (01AB1 U2)	8691997 (Mod A-F)
D1	Channel converter card (01AB1 F2)	2549055 (Mod 1-8) 2445900 (Mod 9, A-F)
D2	Channel terminator card	2549040
D3	Channel converter card (01AB1 E2)	4202240 (Mod 1-8) 2445902 (Mod 9, A-F)
D5	62PC adapter card (01AA1 G2)	2771438
F3	Any I/O adapter on-site service is required	
G1	Main store card (01AB1 P2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)

Result Code	Definition	P/N
G2	Main store card (01AB1 N2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
G3	Main store card (01AB1 M2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
G4	Main store card (01AB1 L2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
G5	Main store card (01AB1 K2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)

Result Code	Definition	P/N
G6	Main store card (01AB1 J2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
G7	Main store card (01AB1 F2)	4599188 (Mod 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
G8	Main store card (01AB1 G2)	4599188 (Mod 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
G9	Main store terminator cards (01B1Q2, Q4)	5122482
H1	Two main store cards (01AB1 M2, P2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)

Result Code	Definition	P/N
H2	Two main store cards (01AB1 L2, P2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
H3	Two main store cards (01AB1 M2, N2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
H4	Two main store cards (01AB1 L2, N2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
H5	Three main store cards (01AB1 L2, N2, P2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
H6	Three main store cards (01AB1 M2, N2, P2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
H7	Three main store cards (01AB1 L2, M2, P2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
H8	Three main store cards (01AB1 L2, M2, N2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
H9	One failure main store card is causing all main store cards to appear to be failing (01AB1P2, N2, M2, L2, K2, J2, H2, G2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
HA	All main store cards are failure (01AB1P2, N2, M2, L2, K2, J2, H2, G2)	4772607 (Mod 9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)

Result Code	Definition	P/N
N1	Control store card (01AB1 S2)	5122494 (Mod 3) 8691997 (Mod A-E)
N3	Control store card (01AB1 T2)	5122494 (Mod 3) 6229416 (Mod 1-2, 7-9, F)
X0	On-site service required. Go to MAP 1983, entry point G	B135 A125 D110 D310 ZV06 ZT06 ZX06 Z802
X1	On-site service required. Go to MAP 1983, entry point H	B135 A125 D110 D310 ZV06 ZT06 ZX06 Z802
X2	On-site service required. Go to MAP 1983, entry point I	B135 A125 D110 D310 ZV06 ZT06 ZX06 Z802
X3	On-site service required. Go to MAP 1983, entry point G	D345 Z825 ZZ08 ZU68 ZX08 B102 A102 D102
X4	On-site service required. Go to MAP 1983, entry point H	D345 Z825 ZZ08 ZU08 ZX08 B102 A102 D102
X5	On-site service required. Record the failing pin, then go to MAP 1920, entry point A	B130 D130 D330 B305 BA05
X6	On-site service required. Record the failing pin, then go to MAP 1920, entry point B	B130 D130 D330 B305 BA05
X7	On-site service required. Record the failing pin, then go to MAP 1920, entry point D	F350 D135 ZT05 ZV05 ZX05
X8	On-site service required. Record the failing pin, then go to MAP 1920, entry point E	F350 D335 ZU05 ZZ05 ZX05
Y2	72MD adapter card (01AA1 H2)	4360810
Z1	CPU machine check occurred however no data in machine check log buffer to allow a FRU callout. On-site service is required.	

CPU RC Table

Result Code	Definition	P/N
Z2	If SRC is 22XX XXFF the HMC or SCA diagnostics detect a failure, but no data was available for a FRU call out. On-site service is required.	
Z3	SCA could not read or write MS status word. Use Mag Media diagnostics to isolate failure.	
Z4	SCA could not read LSSD data because of wrong SLVIR or Mag Media failure.	
Z5	Software in HMC could also cause this error.	
Z6	Software in VMC or HMC could cause error.	
Z7	SLVIA ALT IMPL, HMC, or VMC microcode.	
Z8	An I/O adapter could be holding a channel a bit active.	
Z9	Perform main storage stand-alone dump and reference AA070 for further action. Use the MCCHECK LED codes.	
ZM	The planar board level in the MCR and the planar board level of the installed planar are not equal.	
ZT	Channel terminator card on first channel. See MAP Ref 019-010 through 019-040 for locations by configuration.	2549040
ZU	Channel terminator card on second channel. See MAP Ref 019-070 through 019-090 for locations by configuration.	2549040
ZV	Channel cable on first channel. See MAP Ref 019-010 through 019-040 for locations by configuration.	
ZX	Board problem	

3422 RC Table

Result Code	Definition	MIM Reference	P/N
A0	A/D conversion card tracks 0, 1, 4, and 6 (A01)	LOC 050	
A1	A/D conversion card tracks 2, 3, 5, 7, and P (A02)	LOC 050	
A2	Data separator card (A06)	LOC 050	
A3	Deskewing and decoding card tracks 0, 1, 2, and 3 (A09)	LOC 050	
A4	Deskewing and decoding card tracks 4, 5, 6, and 7 (A10)	LOC 050	
A5	Read path control, deskewing and decoding track P card (A11)	LOC 050	
A6	Error correction, PE-GCR card (A12)	LOC 050	
A7	Data Buffer Control, CRC Register, and Error correction card (A13)	LOC 050	
A8	Formatter data buffer, CRC registers card (A14)	LOC 050	
A9	Write path control write triggers tracks P, 0, 1, 2, and 3 card (A15)	LOC 050	
B0	Write path control write triggers tracks 4, 5, 6, and 7 card (A16)	LOC 050	
B1	Clock generation and distribution, Block Format detection card (A17)	LOC 050	
B2	TU control GCR, BSBCC, and VCC counters card (A18)	LOC 050	
B3	Microprogram sequencer card (A19)	LOC 050	
B4	System adapter interface control card (A20)	LOC 050	

Result Code	Definition	MIM Reference	P/N
B5	Formatter diagnostics card (A22)	LOC 050	
B6	Data streaming buffer card (A23)	LOC 050	
B7	Buffer, formatter interface control card (A24)	LOC 050	
B8	System adapter microprogram card (A25)	LOC 050	
B9	Channel interface control card (A26)	LOC 050	
C0	Control memory card (A27)	LOC 050	
C1	System formatter interface card (B21)	LOC 050	
C2	Two channel switch card (B27)	LOC 050	
C3	Communicator, read signals card (C01)	LOC 050	
C4	TU7 read signal card (C02)	LOC 050	
C5	TU6 read signal card (C03)	LOC 050	
C6	TU5 read signal card (C04)	LOC 050	
C7	TU4 read signal card (C05)	LOC 050	
C8	TU3 read signal card (C06)	LOC 050	
C9	TU2 read signal card (C07)	LOC 050	
D0	TU1 read signal card (C08)	LOC 050	
D1	TU0 read signal card (C09)	LOC 050	
D2	TU address control card (C10)	LOC 050	
D3	Communicator, write control signals card (C11)	LOC 050	
D4	Communicator, write control signals card (C12)	LOC 050	

Result Code	Definition	MIM Reference	P/N
D5	TU7 write/control card (C13)	LOC 050	
D6	TU6 write/control card (C14)	LOC 050	
D7	TU5 write/control card (C15)	LOC 050	
D8	TU4 write/control card (C16)	LOC 050	
D9	TU3 write/control card (C17)	LOC 050	
E0	TU2 write/control card (C18)	LOC 050	
E1	TU1 write/control card (C19)	LOC 050	
E2	TU0 write/control card (C20)	LOC 050	
E3	Nonreportable error card (C23)	LOC 050	
E4	Diskette control, CU service panel interface card (C24)	LOC 050	
E5	Diagnostic monitor card (C25)	LOC 050	
E6	Interface card, channel A (C26)	LOC 050	
E7	Interface card, channel B (C27)	LOC 050	
E8	Diskette		
E9	Disk drive		
F0	Cartridge opener assembly	CARR 062	
F1	Tape unit logic board	CARR 470	
F2	S104 transfer valve microswitch	CARR 520	
F3	Transfer valve motor	CARR 530	
F4	Front check valve	LOC 140	
F5	S109 left tape loop warning switch	LOC 100	
F6	S108 right tape loop warning switch	LOC 100	

Result Code	Definition	MIM Reference	P/N
F7	Write enable ring sensor	CARR 640	
F8	Tape unit write card	CARR 490	
F9	Read/write head assembly	CARR 360	
G0	Capstan motor	CARR 060	
G1	S113 file reel hub switch	CARR 160	
G2	Capstan driver board	CARR 470	
G3	Capstan reel control board	CARR 470	
G4	File reel hub actuator	CARR 150	
G5	Solenoid valve assembly	CARR 410	
G6	S116 high pressure sensor switch	LOC 100	
G7	BOT/EOT sensor block	CARR 040	
G8	S107 tape lifter switch	CARR 435	
G9	S101 cartridge present switch	CARR 061	
H0	S102 tape lifter switch	CARR 064	
H1	File reel rotation rate sensor	CARR 180	
H2	File reel driver board	CARR 470	
H3	Capstan	CARR 050	
H4	S106 thread guide with reels loaded switch	CARR 500	
H5	Machine reel rotation rate sensor	CARR 260	
H6	Machine reel driver board	CARR 470	
H7	S117 low pressure sensor switch	LOC 100	
H8	Vacuum pump	CARR 580	
H9	Tape unit DC power supply board	CARR 450	

Result Code	Definition	MIM Reference	P/N
I0	Pressure pump	CARR 310	
I1	Pump drive motor	CARR 340	
I2	S115 S119 door interlock switch assembly	CARR 200	
I3	S114 window interlock switch	CARR 620	
I4	S103 cartridge closed switch	CARR 64	
I5	Window air cylinder	CARR 610	
I6	Tape unit read card	CARR 480	
I7	Tape unit fan assembly	CARR 460	
I8	SR panel	CARR 120	
I9	Transfer valve assembly	CARR 540	
J0	Tape lifter assembly	CARR 430	
J1	S105 transfer valve microswitch	CARR 520	
J2	No Action No FRU's		
J3	Go to the panel fault isolation guide	REF 1	
J4	Go to "Power Entry MAP"	REF 1	
J5	Test complete, no errors found		
J6	Tape unit addressed during load/unload		
J7	Inspect top card connectors		
J8	A manual operation was attempted while tape unit was online and operational.		
J9	Defective media/dirty tape path		
K0	Rear check valve	LOC 140	

3422 RC Table

Result Code	Definition	MIM Reference	P/N
K1	Check write enable ring and sensor		
K2	Check for tape slip/BOT detection		
K3	Write/control card for TU experiencing failure (C20-C13)	LOC 050	
N0	Power control failure – run MAP 6603		
P1	Tape adapter card (01AB2-Q2)		2271192
P2	Channel interface cards – tape unit		
P3	HDC feature card (01AB2-R4)		2445462
P4	Block size on tape not compatible with the HDC feature		
Q0	Online/offline switch		
Q1	Power on/off switch		
R0	Expected data		
R1	Use device FSC generated and go to 3422 MIM Start section		
R2	System/38 ribbon cable (01AB2-Q2W2)		
R3	Tailgate connectors (01DA2-bottom)		
R4	External tag cable		
R5	FSC for device		
R6	System/38 ribbon cable (01AB2-Q2X2)		
R7	Tailgate connectors (01DA2-top)		
R8	External cable (bus)		
R9	Channel interface cards in tape control unit		

Result Code	Definition	MIM Reference	P/N
S0	VMC failure (IOM)		
S1	VMC failure		
S2	SCA related failure (IOM or interface)		
S3	Decompress data error		
S4	Failed during vary on		
S5	Go to the 3422 MIM start section		
S7	Command reject		
S8	Post event		
S9	FOB time out		
U4	Expected result or error caused by operator		
U5	Unexpected result for HDC feature		
Z1	Go to MAP 0500, entry E		
Z2	Go to channel error log analysis MAP		
Z3	Interposer (01AB2 Q2Y and R4W, Q2Z and R4X)		
Z7	Volume SDR counters were reset		

SCA Detected SRC Table

Use position **2, 3, 4, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

Position 5 = Model Type

0 = Cannot Determine
 1 = Model 100
 2 = Model 200
 3 = Model 3
 4 = Model 4
 5 = Model 5
 6 = Model 6
 7 = Model 7
 8 = Model 8
 9 = Model 18

A = Model 20
 B = Model 400
 C = Model 40
 D = Model 600
 E = Model 700
 F = Model 300

Position 6 = Main Store Type

0 = All other
 1 = Type B (Mod 5 only)

SRC 1234 5678	Definition	For result code definitions, see D8 and D9 Card 2 Result Codes and Probability %
1100 XX01	SI error during SCA MCLB analysis ROS access.	B160 A230 A110
1100 XX02	Read CPU storage error during ROS analysis.	B135 B630 B225 A110
1100 XX03	Error detected by HMC during MSSL.	Z199 B201
1100 XX04	Error detected by HMC during FOSD.	Z199 B201
1100 XX05	Error starting FOSD (CPU scan error).	Z199 A201
1311 XX01	SCA is not able to communicate with 62PC-1.	C140 C225 B110 D210 D105 N105 D302 C401 A301 L101

SCA Detected SRC Table

SRC 1234 5678	Definition	For result code definitions, see D8 and D9 Card 2 Result Codes and Probability %
1311 XX02	SCA is not able to communicate with 52PC-I.	C360 C140
1311 XX03	SCA is not able to communicate with 62PC-I.	C335 C130 C225 D105 D305
1512 XX01	SCA is not able to communicate with 72MD.	E160 C240
1512 XX02	SCA is not able to communicate with 72MD.	E235 E330 E125 C210
1512 XX03	SCA is not able to communicate with 72MD.	E350 E130 C220

SCA Detected RC Table

Result Code	Definition	P/N
A1	SCA console IOC card (01AA1 B2)	4361306
A2	SCA console card 1 (01AA1 C2)	4202410
A3	SCA console card 2 (01AA1 D2)	4223707 4223708 (Katakana)
B1	Planar (01APL)	8328300 (Mod 3-5) 4361076 (Mod 1-2, 6-8) 6370231 (Mod 9, A-F)
B2	One or more control store cards (01AB1 S2, L2, U2, V2, R2)	5122494 (Mod 3) 6229416 (Mod 1-2, 4-9, A-F) 8691997 (Mod A-L)
B6	One or more mainstore cards (01AB1 G2, H2, J2, K2, L2, M2, N2, P2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1, 2, 6, 8, 9, A, B, F) 2444962 (Mod C, D) 65X5750 (Mod E)
C1	62PC adapter (A33-040) (01AA1 G2)	2771438
C2	Clock card (01AA1 J2, N2)	2771064 2550550 (old style)
C3	62PC device, on-site service is required	
C4	One or more IOC cards	4361306
D1	Channel converter card (01AB1 F2)	2549055 (Mod 1-8) 2445900 (Mod 9, A-F)

Result Code	Definition	P/N
D2	Channel terminator card	2549040
D3	Channel converter card (01AB1 E2)	4202240 (Mod 1-8) 2445902 (Mod 9, A-F)
E1	72MD adapter card (01AA1 H2)	4360810
E2	Damaged or wrong SLV1A	
E3	72MD device problem, on-site service is required	
L1	3370 adapter card (01AA1 K2 or M2)	2444872
N1	Any I/O adapter on-site service is required	
Z1	A error occurred while the system was trying to Force Operator Shutdown or a main store load. IMPL the system, with no retry, to see if the diagnostics will find the problem.	

X.25 SRC Table (OU = 5C, 5E)

Use position **5 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

SRC 1234 5678		Definition	For result code definitions, see D12 Card 2 Result Codes and Probability %
00xx	7000	Hardware failure	A099
00xx	7001	Hardware failure	A099 B101
00xx	7002	Hardware failure	A095 T104 B101
00xx	7003	Hardware failure	A050 M150
00xx	7004	VMC or hardware failure	A098 B101 V101
00xx	7005	Hardware failure	A098 A101 B101
00xx	7006	Hardware failure	A075 A124 B101
00xx	7007	Hardware failure	A179 A010 M110 B101
00xx	7008	Hardware failure	A090 A109 T101
00xx	7020	VMC or IOP Microcode is failing	V190 M110
00xx	7021	IOP Microcode is failing	M199
00xx	7022	Missing X.25 Module	On-site service required
00xx	7030	Hardware failure	A140 M240 C115 C005
00xx	7031	VMC or hardware failure	V150 A040 M110
00xx	7032	Hardware failure	C150 C030 A120
00xx	7050	Hardware failure	A150 A049 B101

SRC 1234 5678		Definition	For result code definitions, see D12 Card 2 Result Codes and Probability %
00xx	7051	Hardware failure	A175 A024 B101
00xx	7052	Hardware failure	A175 A024 M201
00xx	7053	Hardware failure	A190 A010
00xx	7054	Hardware failure	M270 C115 A110 C005
00xx	7055	Hardware failure	A199
00xx	9XXX	See hardcopy MAP 5947	
00xx	AXXX	See hardcopy MAP 5947	
00xx	BXXX	See hardcopy MAP 5947	
00xx	CXXX	See hardcopy MAP 5947	
00xx	DXXX	See hardcopy MAP 5947	
00xx	EXXX	See hardcopy MAP 5947	

X.25 RC Table

Result Code	Definition	P/N
A0	The IOP card at location 01AB2 G2	2771814
A1	The IOA card at location 01AB2 F2	6370136
B1	The B2 board at location 01AB2	6370078
C0	Internal cable	See table 1
C1	External cable	See table 1
M1	IOP Microcode error	
M2	The modem is failing	
T1	IOP Top card connector cable 01AB2 G2	2445673
V1	VMC Error	

TABLE 1

	V.24	V.35	X.21	
Port # 1	2445905	2445907	2445909	Internal cable
Port # 2	2445906	2445908	2445910	Internal cable
Port # 1 or 2	2453129	2445870	2445869	20 ft external cable
Port # 1 or 2	2445810	2445811	2445809	40 ft external cable

CPU SRC Table

Use position **6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

Position 2 = Machine Check Type

0 = First machine check

1 = Machine check occurred during analysis of first machine check

2 = Machine check occurred during IMPL/AIMPL diagnostics

Position 5 = Model Type

0 = Cannot determine

1 = Model 100

2 = Model 200

3 = Model 3

4 = Model 4

5 = Model 5

6 = Model 6

7 = Model 7

8 = Model 8

9 = Model 18

A = Model 20

B = Model 400

C = Model 40

D = Model 600

E = Model 700

F = Model 300

Position 6 = Main Store Type

0 = All other

1 = Type B (Mod 5 only)

Note: Position 6 only has meaning for Model 5 (position 5 = 5). Ignore position 6 for all other models.

CPU SRC Table

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X00 XX02	MDI Detected bad ending status	A250 A330 Y220
2X00 XX03	Planar Failure	B160 B635 B403 G901 B301
2X00 XX04	CPU control store read data parity check	B275 B120 B403 B501 B301
2X00 XX05	Invalid CPU control storage array	B275 B124 Z501
2X00 XX06	VAT detected machine check	B199 Z501
2X00 XX07	VAT detected machine check	G165 B130 B403 G901 B301
2X00 XX08	VAT detected machine check	G265 B130 B403 G901 B301
2X00 XX09	VAT detected machine check	G365 B130 B403 G901 B301
2X00 XX0A	VAT detected machine check	G465 B130 B403 G901 B301
2X00 XX0B	VAT detected machine check	G565 B130 B403 G901 B301
2X00 XX0C	VAT detected machine check	G665 B130 B403 G901 B301
2X00 XX0D	VAT detected machine check	G765 B130 B403 G901 B301
2X00 XX0E	VAT detected machine check	G865 B130 B403 G901 B301

SRC 1234 5678	Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X00 XX0F	Hardware machine check while in wait state	B685 B110 B205
2X00 XX10	HMC machine check followed by hardware detected machine check	F329 B629 Z629 B103 B203 D101 D201 D301 G901 ZY01 B301 B401
2X00 XX11	HMC time-out occurred	B170 B220 B305 B404 Z701
2X00 XX12	Machine check occurred and MCLB address is wrong	B658 B130 B208 Z601 Z801 B301 B401
2X00 XX13	Hardware detected machine check	B685 B110 B403 G901 B301
2X00 XX14	Hardware detected machine check	B275 B120 B403 B501, B301
2X00 XX15	VAT machine check with card swap active	G265 B130 B403 G901 B301
2X00 XX16	VAT machine check with card swap active	G165 B130 B403 G901 B301
2X00 XX17	VAT detected machine check	G175 B120 B403 B302
2X00 XX18	VAT detected machine check	G275 B120 B403 B302
2X00 XX19	VAT detected machine check	G375 B120 B403 B302
2X00 XX1A	VAT detected machine check	G475 B120 B403 B302
2X00 XX1B	VAT detected machine check	G575 B120 B403 B302
2X00 XX1C	VAT detected machine check	G675 B120 B403 B302

CPU SRC Table

SRC 1234 5678		Definition	For result code definitions, see E10 thru E17 Card 2 Result Codes and Probability %
2X00	XX1D	VAT detected machine check	G775 B120 B403 B302
2X00	XX1E	VAT detected machine check	G875 B120 B403 B302
2X00	XX1F	VAT machine check with card swap active	G275 B120 B403, B302
2X00	XX20	VAT machine check with card swap active	G175 B120 B403 B302
2X00	XX21	VAT detected machine check	B175 G120 B403 B302
2X00	XX22	VAT detected machine check	B175 G220 B403 B302
2X00	XX23	VAT detected machine check	B175 G320 B403 B302
2X00	XX24	VAT detected machine check	B175 G420 B403 B302
2X00	XX25	VAT detected machine check	B175 G520 B403 B302
2X00	XX26	VAT detected machine check	B175 G620 B403 B302
2X00	XX27	VAT detected machine check	B175 G720 B403 B302
2X00	XX28	VAT detected machine check	B175 G820 B403 B302
2X00	XX29	VAT machine check with card swap active	B175 G220 B403 B302
2X00	XX2A	VAT machine check with card swap active	B175 G120 B403 B302
2X00	XX2B	HMC check sum failed	B140 A235 A324 Z701
2X00	XX2C	Main store overlay failure	B660 B134 B403 B301 G901 Z701
2X00	XX2D	Control store failure	B775 B120 B403 B501 B301
2X00	XX2E	Control store failure	B875 B120 B403 B501 B301

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FB34	Formatter/system adapter failure.	D8 B2 D2 B1
0052	FB35	Formatter/system adapter failure.	D7 B2 D2 B1
0052	FB36	Formatter/system adapter failure.	D6 B2 D2 B1
0052	FB37	Formatter/system adapter failure.	D5 B2 D2 B1
0052	FB38	Formatter/system adapter failure.	D2 D4 D3 B2
0052	FB39	Formatter/system adapter failure.	D2 D4 D3 B2
0052	FB3A	Formatter/system adapter failure.	D2 D4 D3 B2
0052	FB3B	Formatter system adapter failure.	D2 D4 D3 B2
0052	FB3C	Formatter/system adapter failure.	D2 D4 D3 B2
0052	FB3D	Formatter system adapter failure.	D2 D4 D3 B2
0052	FB3E	Formatter/system adapter failure.	D2 D4 D3 B2
0052	FB3F	Formatter/system adapter failure.	D2 D4 D3 B2
0052	FB40	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB41	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB42	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB43	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB44	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB45	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB46	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB47	Formatter/system adapter failure.	B6 B7 C1 B4
0052	FB48	Formatter/system adapter failure.	E2 D2 B4 D4
0052	FB49	Formatter/system adapter failure.	E1 D2 B4 D4

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FB4A	Formatter/system adapter failure.	E0 D2 B4 D4
0052	FB4B	Formatter/system adapter failure.	D9 D2 B4 D4
0052	FB4C	Formatter/system adapter failure.	D8 D2 B4 D4
0052	FB4D	Formatter/system adapter failure.	D7 D2 B4 D4
0052	FB4E	Formatter/system adapter failure.	D6 D2 B4 D4
0052	FB4F	Formatter/system adapter failure.	D5 D2 B4 D4
0052	FB50	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB51	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB52	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB53	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB54	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB55	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB56	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB57	Formatter/system adapter failure.	B6 B7 C1 E5
0052	FB58	Formatter/system adapter failure.	C0 D4 B6 B7
0052	FB59	Formatter/system adapter failure.	C0 D4 B6 B7
0052	FB5A	Formatter/system adapter failure.	C0 D4 B6 B7
0052	FB5B	Formatter/system adapter failure.	C0 D4 B6 B7
0052	FB5C	Formatter/system adapter failure.	C0 D4 B6 B7
0052	FB5D	Formatter/system adapter failure.	C0 D4 B6 B7
0052	FB5E	Formatter/system adapter failure.	C0 D4 B6 B7
0052	FB5F	Formatter/system adapter failure.	C0 D4 B6 B7

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FB60	Formatter/system adapter failure.	E2 A9 F8 B5
0052	FB61	Formatter/system adapter failure.	E1 A9 F8 B5
0052	FB62	Formatter/system adapter failure.	E0 A9 F8 B5
0052	FB63	Formatter/system adapter failure.	D9 A9 F8 B5
0052	FB64	Formatter/system adapter failure.	D8 A9 F8 B5
0052	FB65	Formatter/system adapter failure.	D7 A9 F8 B5
0052	FB66	Formatter/system adapter failure.	D6 A9 F8 B5
0052	FB67	Formatter/system adapter failure.	D5 A9 F8 B5
0052	FB68	Formatter/system adapter failure.	E2 A9 F8 D4
0052	FB69	Formatter/system adapter failure.	E1 A9 F8 D4
0052	FB6A	Formatter/system adapter failure.	E0 A9 F8 D4
0052	FB6B	Formatter/system adapter failure.	D9 A9 F8 D4
0052	FB6C	Formatter/system adapter failure.	D8 A9 F8 D4
0052	FB6D	Formatter/system adapter failure.	D7 A9 F8 D4
0052	FB6E	Formatter/system adapter failure.	D6 A9 F8 D4
0052	FB6F	Formatter/system adapter failure.	D5 A9 F8 D4
0052	FB70	Formatter/system adapter failure.	E2 A9 D4 F8
0052	FB71	Formatter/system adapter failure.	E1 A9 D4 F8
0052	FB72	Formatter/system adapter failure.	E0 A9 D4 F8
0052	FB73	Formatter/system adapter failure.	D9 A9 D4 F8
0052	FB74	Formatter/system adapter failure.	D8 A9 D4 F8
0052	FB75	Formatter/system adapter failure.	D7 A9 D4 F8

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FB76	Formatter system adapter failure.	D6 A9 D4 F8
0052	FB77	Formatter system adapter failure.	D5 A9 D4 F8
0052	FB78	Formatter system adapter failure.	E2 A9 F8 B5
0052	FB79	Formatter system adapter failure.	E1 A9 F8 B5
0052	FB7A	Formatter system adapter failure.	E0 A9 F8 B5
0052	FB7B	Formatter system adapter failure.	D9 A9 F8 B5
0052	FB7C	Formatter system adapter failure.	D8 A9 F8 B5
0052	FB7D	Formatter system adapter failure.	D7 A9 F8 B5
0052	FB7E	Formatter system adapter failure.	D6 A9 F8 B5
0052	FB7F	Formatter system adapter failure.	D5 A9 F8 B5
0052	FB80	Formatter system adapter failure.	E2 B2 F1
0052	FB81	Formatter system adapter failure.	E1 B2 F1
0052	FB82	Formatter system adapter failure.	E0 B2 F1
0052	FB83	Formatter system adapter failure.	D9 B2 F1
0052	FB84	Formatter system adapter failure.	D8 B2 F1
0052	FB85	Formatter system adapter failure.	D7 B2 F1
0052	FB86	Formatter system adapter failure.	D6 B2 F1
0052	FB87	Formatter system adapter failure.	D5 B2 F1
0052	FB88	Formatter system adapter failure.	E2 B2 D3 A6
0052	FB89	Formatter system adapter failure.	E1 B2 D3 A6
0052	FB8A	Formatter system adapter failure.	E0 B2 D3 A6
0052	FB8B	Formatter system adapter failure.	D9 B2 D3 A6

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FB8C	Formatter/system adapter failure.	D8 B2 D3 A6
0052	FB8D	Formatter/system adapter failure.	D7 B2 D3 A6
0052	FB8E	Formatter/system adapter failure.	D6 B2 D3 A6
0052	FB8F	Formatter/system adapter failure.	D5 B2 D3 A6
0052	FB90	Formatter/system adapter failure.	E2 B2 D3 A6
0052	FB91	Formatter/system adapter failure.	E1 B2 D3 A6
0052	FB92	Formatter/system adapter failure.	E0 B2 D3 A6
0052	FB93	Formatter/system adapter failure.	D9 B2 D3 A6
0052	FB94	Formatter/system adapter failure.	D8 B2 D3 A6
0052	FB95	Formatter/system adapter failure.	D7 B2 D3 A6
0052	FB96	Formatter/system adapter failure.	D6 B2 D3 A6
0052	FB97	Formatter/system adapter failure.	D5 B2 D3 A6
0052	FB98	Formatter/system adapter failure.	E2 B2 F1
0052	FB99	Formatter/system adapter failure.	E1 B2 F1
0052	FB9A	Formatter/system adapter failure.	E0 B2 F1
0052	FB9B	Formatter/system adapter failure.	D9 B2 F1
0052	FB9C	Formatter/system adapter failure.	D8 B2 F1
0052	FB9D	Formatter/system adapter failure.	D7 B2 F1
0052	FB9E	Formatter/system adapter failure.	D6 B2 F1
0052	FB9F	Formatter/system adapter failure.	D5 B2 F1
0052	FBA0	Formatter/system adapter failure.	I6 F9 D1 E2
0052	FBA1	Formatter/system adapter failure.	I6 F9 D0 E1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FBA2	Formatter/system adapter failure.	I6 F9 C9 E0
0052	FBA3	Formatter/system adapter failure.	I6 F9 C8 D9
0052	FBA4	Formatter/system adapter failure.	I6 F9 C7 D8
0052	FBA5	Formatter/system adapter failure.	I6 F9 C6 D7
0052	FBA6	Formatter/system adapter failure.	I6 F9 C5 D6
0052	FBA7	Formatter/system adapter failure.	I6 F9 C4 D5
0052	FBA8	Formatter/system adapter failure.	I6 F9 D1 E2
0052	FBA9	Formatter/system adapter failure.	I6 F9 D0 E1
0052	FBAA	Formatter/system adapter failure.	I6 F9 C9 E0
0052	FBAB	Formatter/system adapter failure.	I6 F9 C8 D9
0052	FBAC	Formatter/system adapter failure.	I6 F9 C7 D8
0052	FBAD	Formatter/system adapter failure.	I6 F9 C6 D7
0052	FBAE	Formatter/system adapter failure.	I6 F9 C5 D6
0052	FBAF	Formatter/system adapter failure.	I6 F9 C4 D5
0052	FBB0	Formatter/system adapter failure.	D1 E2 A0 A1
0052	FBB1	Formatter/system adapter failure.	D0 E1 A0 A1
0052	FBB2	Formatter/system adapter failure.	C9 E0 A0 A1
0052	FBB3	Formatter/system adapter failure.	C8 D9 A0 A1
0052	FBB4	Formatter/system adapter failure.	C7 D8 A0 A1
0052	FBB5	Formatter/system adapter failure.	C6 D7 A0 A1
0052	FBB6	Formatter/system adapter failure.	C5 D6 A0 A1
0052	FBB7	Formatter/system adapter failure.	C4 D5 A0 A1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FBB8	Formatter system adapter failure.	C3 D1 E2 A0
0052	FBB9	Formatter system adapter failure.	C3 D0 E1 A0
0052	FBBA	Formatter system adapter failure.	C3 C9 E0 A0
0052	FBBB	Formatter system adapter failure.	C3 C8 D9 A0
0052	FBBC	Formatter system adapter failure.	C3 C7 D8 A0
0052	FBBD	Formatter system adapter failure.	C3 C6 D7 A0
0052	FBBE	Formatter system adapter failure.	C3 C5 D6 A0
0052	FBBF	Formatter system adapter failure.	C3 C4 D5 A0
0052	FC00	Formatter system adapter failure.	B4 B7 B3 B1
0052	FC01	Formatter system adapter failure.	B1 B7 B4 B8
0052	FC02	Formatter system adapter failure.	A8 B0 A9 B4
0052	FC03	Formatter system adapter failure.	B3 B4 B1 A8
0052	FC04	Formatter system adapter failure.	B7 B1 B4
0052	FC08	Formatter system adapter failure.	C1 E5
0052	FC10	Formatter system adapter failure.	C1 B6 E5 B5
0052	FC11	Formatter system adapter failure.	A9 B0 A8 B1
0052	FC12	Formatter system adapter failure.	C1 B0 B6 A8
0052	FC13	Formatter system adapter failure.	A5 A8 A3 A6
0052	FC15	Formatter system adapter failure.	B4 B3 B1 B8
0052	FC16	Formatter system adapter failure.	B4 B3 B1 B8
0052	FC17	Formatter system adapter failure.	B5 B8 B4 B7
0052	FC19	Formatter system adapter failure.	B4 B7 A5 B1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FC1A	Formatter/system adapter failure.	A9 B0 A8 B1
0052	FC1B	Formatter/system adapter failure.	B0 A8 A9 C1
0052	FC20	Formatter/system adapter failure.	B4 A3 B7 A5
0052	FC21	Formatter/system adapter failure.	B8 B2 A3 B4
0052	FC22	Formatter/system adapter failure.	A5 B4 B8 B7
0052	FC23	Formatter/system adapter failure.	A4 A7 B4 A5
0052	FC24	Formatter/system adapter failure.	B4 B8 B3 A4
0052	FC25	Formatter/system adapter failure.	B2 B1 B3 B4
0052	FC26	Formatter/system adapter failure.	A5 B8 B4 B3
0052	FC27	Formatter/system adapter failure.	B4 B7 B1 B3
0052	FC28	Formatter/system adapter failure.	B4 A7 B1 A9
0052	FC29	Formatter/system adapter failure.	A8 A7 A5 A9
0052	FC2A	Formatter/system adapter failure.	A8 A5 A9 B8
0052	FC2B	Formatter/system adapter failure.	B4 A3 B7 A5
0052	FC2C	Formatter/system adapter failure.	B4 A3 B7 A5
0052	FC2D	Formatter/system adapter failure.	B4 A4 B7 A5
0052	FC2E	Formatter/system adapter failure.	B2 B3 B4 B1
0052	FC2F	Formatter/system adapter failure.	B5 B8 A5 B4
0052	FC30	Formatter/system adapter failure.	B8 B4 B3
0052	FC31	Formatter/system adapter failure.	B4 B8 B3
0052	FC40	Formatter/system adapter failure.	A8 A7 C1 B4
0052	FC41	Formatter/system adapter failure.	A8 C1 B6 E5

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FC42	Formatter system adapter failure.	A8 B0 B4 B1
0052	FC43	Formatter system adapter failure.	A8 B0 A9 B1
0052	FC44	Formatter system adapter failure.	B4 B3 A3 B8
0052	FC46	Formatter system adapter failure.	B2 B8 B4 B5
0052	FC47	Formatter/system adapter failure.	B5 B4 B7 B8
0052	FC48	Formatter/system adapter failure.	B3 B4 B8 B7
0052	FC49	Formatter system adapter failure.	B7 B8 B5
0052	FC4A	Formatter system adapter failure.	C1 B6 E5 A8
0052	FC4B	Formatter system adapter failure.	C1 B6 E5
0052	FC4C	Formatter system adapter failure.	A8 A7 B4 C1
0052	FC4D	Formatter system adapter failure.	C1 B6 E5 A8
0052	FC4E	Formatter system adapter failure.	A8 C1
0052	FC4F	Formatter/system adapter failure.	C1 E5 B6
0052	FC50	Formatter/system adapter failure.	B4 B7 B1 B3
0052	FC51	Formatter/system adapter failure.	A5 A6 B4 B7
0052	FC52	Formatter/system adapter failure.	B7 B2 B3 B4
0052	FC53	Formatter system adapter failure.	B3 B4 B2 A3
0052	FC54	Formatter/system adapter failure.	B3 B4 B2
0052	FC55	Formatter/system adapter failure.	B4 A3 A4
0052	FC56	Formatter/system adapter failure.	B4 B3 B2 A3
0052	FC58	Formatter/system adapter failure.	B2 B1 B3 B4
0052	FC59	Formatter/system adapter failure.	B2 B3 B1 B4

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FC5A	Formatter/system adapter failure.	B1 B2 B4 B3
0052	FC5B	Formatter/system adapter failure.	B1 B2 D3 A6
0052	FC5C	Formatter/system adapter failure.	B1 B2 B4 B3
0052	FC5D	Formatter/system adapter failure.	B4 B3 B2 B1
0052	FC61	Formatter/system adapter failure.	B1 B2 B3
0052	FC62	Formatter/system adapter failure.	B2 B3 B1 B5
0052	FC63	Formatter/system adapter failure.	B5 B8 B1 B2
0052	FC64	Formatter/system adapter failure.	B2 B3 B1 B4
0052	FC65	Formatter/system adapter failure.	B3 B2 B4 A3
0052	FC66	Formatter/system adapter failure.	B2 B4 B3 A3
0052	FC67	Formatter/system adapter failure.	B2 B3 B4 A3
0052	FC69	Formatter/system adapter failure.	A3
0052	FC6A	Formatter/system adapter failure.	A4
0052	FC6C	Formatter/system adapter failure.	B4 B3 B7 B8
0052	FC70	Formatter/system adapter failure.	A8 A9 B5
0052	FC71	Formatter/system adapter failure.	A9 B5
0052	FC74	Formatter/system adapter failure.	B0 A9 B5
0052	FC78	Formatter/system adapter failure.	A9 B4 B5
0052	FC79	Formatter/system adapter failure.	K3 D3 B2 B5
0052	FC7B	Formatter/system adapter failure.	C1 B2 B5 K3
0052	FC7C	Formatter/system adapter failure.	K3 B2 B5
0052	FC7D	Formatter/system adapter failure.	B4 B2 B5 K3

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FC7F	Formatter system adapter failure.	B2 B3 C1 D3
0052	FC80	Formatter system adapter failure.	D3 D4 B5
0052	FC81	Formatter system adapter failure.	D3 D2 D4 B5
0052	FC94	Formatter system adapter failure.	B3 A3 A4 B8
0052	FCAD	Formatter system adapter failure.	B7 B6 C1 B4
0052	FCF5	SR panel failure in SR mode only.	I8
0052	FCF6	SR panel failure in SR mode only.	B5 B8 I8 E4
0052	FCF7	SR panel failure in SR mode only.	I8 E4
0052	FCF8	SR panel failure.	B6 B2
0052	FCF9	SR panel failure.	B7 B1 K3 D2
0052	FCFC	SR panel failure.	B7 B1 K3
0052	FCFD	SR panel failure.	D2 B4 K3
0052	FCFE	SR panel failure.	K3 B1
0052	FD02	Cartridge opener check.	I10 I4 F0 F1
0052	FD04	Cartridge failed to open.	I10 F0 F1 J4
0052	FD06	Cartridge failed to close.	I4 F0 F1 J4
0052	FD08	Transfer valve didn't close.	F2 J1 F1 F3
0052	FD0A	Transfer valve check.	F2 J1 F1
0052	FD0C	Left tape – loop sensor switch check.	F5 F1
0052	FD0E	Transfer valve didn't open.	J1 F1 F3 I9
0052	FD10	Right tape – loop sensor switch.	F6 F1
0052	FD14	Write enable ring sensor check.	F7 F1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FD16	Write enable ring sensor check.	F7 F1
0052	FD18	Erase current check.	F8 F9
0052	FD1C	Write current check.	F8 F1 F9
0052	FD20	Capstan check.	G3 F1 G0
0052	FD22	File reel automatic hub switch shorted.	G1 F1 J4
0052	FD24	Capstan creeps.	G2 G3 G0
0052	FD28	File reel automatic hub active but S113 does not transfer.	G1 G4 F1 J4
0052	FD2A	No capstan tachometer pulses detected on tape unit logic board.	F1 G3 G0
0052	FD2C	The reels loaded switch is short circuited.	H4 F1
0052	FD2E	Solenoid check.	F1 G5
0052	FD30	Normal end FSC, routines 1 through 3.	J5
0052	FD32	Pressure switch is active when blower is off.	G6 F1
0052	FD34	Tape unit control/capstan – control set to different speed.	G3 F1
0052	FD36	Pressure solenoid check – blower is on.	G6 F1 G5
0052	FD38	Pressure switch check – blower is off.	G6 F1 F4 J4
0052	FD3A	Threading was not successful without cartridge or diagnostic procedure error – BOT/EOT sensor not covered after 1 second.	G7 G3 F1
0052	FD3C	Tape unit microprogram check.	F1
0052	FD40	Tape lifter switch is not active.	G8 F1 J0 K0
0052	FD42	Tape lifter switch active with blower off.	G8 F1 J0

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052 FD44	Threading is not successful with cartridge – tape did not pass BOT/EOT block.	G7 G9 G3 F1
0052 FD46	Tape lifter solenoid switch active with blower on – solenoid failure.	G8 G5 F1
0052 FD48	File reel rotation rate sensor check with cartridge.	G9 H1 H2 G3
0052 FD4A	File reel rotation rate sensor check without cartridge.	G3 H2 H1 F1
0052 FD4C	Tape not taken up by machine reel.	H4 G3 F1 J4
0052 FD50	BOT marker too close to physical BOT.	G7
0052 FD54	BOT marker too far from physical BOT.	G7
0052 FD58	Machine reel rotation rate sensor check.	H5
0052 FD5C	Tape is not drawn into the left vacuum column.	F5 H6 F1
0052 FD60	A second BOT marker has been detected.	G7
0052 FD62	Low pressure switch active with blower off.	H7 F1
0052 FD64	BOT/EOT error.	G7 F1
0052 FD68	Vacuum check.	H7 F1 H8 J4
0052 FD6C	Tape is not drawn into the right vacuum column.	F6 H2 F1
0052 FD70	Under voltage.	H9 F1 F8
0052 FD74	Write current relay check.	H9 F1 F8
0052 FD7A	Cartridge present switch shorted.	G9 F1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FD7C	High pressure check.	I0 I1 J4
0052	FD80	Reset pushbutton pressed while online.	J8
0052	FD86	Reset then load pushbutton pressed while online.	J8
0052	FD88	Machine reel rotation too fast after speed decrease.	I15 F1
0052	FD8C	Write enable ring sensor check.	F7 F1
0052	FD90	BO1 check.	G7 F1
0052	FD94	EO1 check.	G7 F1
0052	FD98	Tape unit logic board failure or thermal.	F1
0052	FD9C	BO1 EO1 check.	G7 F1
0052	FDA0	Tape unit door or window interlock is open.	I2 I3 I5 F1
0052	FDA2	Window door interlock circuit is active at the wrong time.	I3 I2 F1
0052	FDA4	Tape unit logic board memory error.	F1
0052	FDA8	File reel hub/window pressure check with blower on.	F1 G5 I5
0052	FDAC	Emergency brake failure, file reel and capstan moved with brake active.	G3 F1
0052	FDB0	Machine reel fails to move with drive current active.	I15 I16 G3 F1
0052	FDB2	File reel capstan does not move after drive current is active.	I19 G3
0052	FDB4	Emergency brake failure, file reel moved with brake active.	I12 G3
0052	FDB8	Emergency brake failure, machine reel moved with brake active.	H6 G3 F1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FDBC	Emergency brake failure, capstan moved with brake active.	G2 G3
0052	FDC0	Capstan servo check/control error.	G3
0052	FDC4	Capstan power amplifier check.	G2 G3 H9 G0
0052	FDC8	Capstan motor/tachometer check.	G3 G2 G0
0052	FDCC	Internal communication error.	G3 F1
0052	FDD0	File reel moving without drive current active.	H2 G3 F1
0052	FDD4	Machine reel moving without drive current active.	H6 G3 F1
0052	FDD8	There is a tape loop warning on the right side while the tape unit is at normal speed.	F6 H2 F1 G3
0052	FDDC	There is a tape loop warning on the right side during a high speed rewind.	F6 H2 F1 G3
0052	FDE0	Capstan current control failure.	G2 G3
0052	FDE4	Erase/write current check.	F8 F7 H9 F1
0052	FDE8	Reels loaded switch check on mid-tape load.	H4
0052	FDEC	Tape unit logic board to capstan/reel control board communication check.	G3 F1 J4
0052	FDF0	There is a tape loop warning on the left side while the tape unit is at normal speed.	F5 H6 F1 G3
0052	FDF4	Cooling fan check.	I7 G2 F1 G3
0052	FDF8	There is a tape loop warning on the left side during a high speed rewind.	F5 H6 F1 G3
0052	FE00	Parameter error.	I8 E4

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FE20	Buffer error on.	A5 A0 A4 A1
0052	FE21	CRC error.	A5 B4
0052	FE22	Write tape mark error.	B2 B1 A4
0052	FE23	Uncorrectable error.	A4 A7
0052	FE24	Partial record.	A4 B4
0052	FE25	Multitrack error.	A4 A7 A5
0052	FE26	End check.	A3 B4
0052	FE27	Velocity error.	A3 B2
0052	FE28	Overrun.	A8 B8
0052	FE29	BOT reached.	B7 B2 B4 B8
0052	FE2A	CRC error.	A8 A7 A5 B0
0052	FE2B	Write tape mark check.	A4 C0
0052	FE2C	Uncorrectable error.	A0 A2 B2 B0
0052	FE2D	Partial record.	B6 B7 A5 B1
0052	FE2E	Multitrack error.	A4 A7
0052	FE2F	End check.	A5 B1 B2
0052	FE30	Velocity error.	B2 A3
0052	FE31	Overrun.	A8 B8
0052	FE32	BOT reached.	B4 E6/E7 B9 B8
0052	FE33	Data check.	B4 A5 A3 A7
0052	FE50	Undefined reject.	B3 B8 B4 B7
0052	FE51	Tape unit not ready.	B2 B1 K3

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FE52	ROM parity.	B3
0052	FE53	Missing track stop.	B6 B9 E6/E7 B7
0052	FE54	Spare word detected.	B3
0052	FE55	File protected on write.	K1
0052	FE56	Tape unit status not erase.	B2 K3
0052	FE57	Command not valid.	B4 B8 B3
0052	FE58	Tape unit not in read status.	B2 B1 K3
0052	FE59	Defective ID burst.	F8 D3 A1 A0
0052	FE5A	Write inhibit failure.	B2 B1 K3
0052	FE5B	Tape unit offline.	B2 B1 K3
0052	FE5C	Tape unit not in write status.	B2 B1 K3
0052	FE5D	ARA or ID burst position error.	K2
0052	FE5E	Tape unit not in backward status.	B2 B1 K3
0052	FE5F	Data detected during erase.	J9
0052	FE60	Tape unit not ready.	B1 K3
0052	FE61	ID track written in error.	A9 B0
0052	FE62	Backward CMD at BOT.	B2 B7
0052	FE63	GCR write ID failure.	J9
0052	FE64	IBG more than 25 feet.	B2 B3 B4
0052	FE65	Ready on during rewind.	B2 K3
0052	FE66	No tach pulses.	B1 K3 D3
0052	FE67	No IBG after write.	A0 A1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FE68	No IBG after ID burst.	A0 A1
0052	FE69	No record found after backspace.	A0 A1
0052	FE6A	GCR BOT marker bad.	J9
0052	FE6B	No data on read back check.	B4 B1 B0 A9
0052	FE6C	Write interrupt, read back check.	B6 B7 B1 B2
0052	FE6D	Tape unit release failure.	B1 B4
0052	FE6E	Tape unit busy to controller.	K3 D2 B1 B7
0052	FE6F	Tape unit not available.	K3 D2 B4
0052	FE70	Status error.	B2 K3
0052	FE71	Tape unit sense command response error.	B1 B2 K3
0052	FE72	Error in sense sequence.	B4 B7
0052	FE73	Tape unit busy load/unloading	J6
0052	FEFE	Error manager called – no bit set.	A8 B7 B4 B8
0052	FEFF	Wrong test number.	I8 E4
0052	FFC0	HDC feature card (01AB2-R4) in the System/38.	P3
0052	FFD0	Tape adapter card (01AB2-Q2) in the System/38.	P3
0052	FFE0	Tape adapter card (01AB2-Q2) or HDC card (01AB2-R4), or the top card connectors in S/38.	P1 P3 J7

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052 3C00	Block size not compatible.	P440 P130 P330
0052 3D00	Interface error.	P140 P330 Z320
0052 3E00	IOM error.	S099
0052 4000	System adapter response register error.	P190 Z210
0052 4100	System adapter overrun.	P145 Z230 R015 P310
0052 5000	Device problems.	S599
0052 5100	System detected bus out check.	R930 R130 R620 P310
0052 5120	Tape control unit error before this command.	R199
0052 5130	Temporary wad failure or tape unit failure.	R199
0052 5200	Intervention required.	R199
0052 5400	Subsystem detected overrun.	R130 R930 R220 R420
0052 5500 thru 5E00	Device problems.	R175 P115 P310
0052 5F00	Subsystem detected word count zero.	R130 R930 R220 R420
0052 6000	I/O error unit check.	R199
0052 6100	I/O error unit check.	R199
0052 7000 thru 7700	IOM detected error.	P130 P330 Z330 S010
0052 7800	IOM error.	S099

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2
		Result Code
0052 EE00	Volume SDR counters were reset.	Z799
0052 9700	System adapter error.	Z260 P120 P320
0052 9800	Program problem – VMC.	S199
0052 9998	System adapter busy.	Z199
0052 F030	Normal operation code.	J2
0052 F032	System adapter failure.	B8
0052 F040	System adapter failure.	B8 B9
0052 F042	System adapter failure.	C0 B8
0052 F04C	System adapter failure.	B7
0052 F100	Wrong or defective diskette.	E8 E4
0052 F101	Not ready, inoperable during command execution.	E8 E9 E4 B8
0052 F102	Not ready, inoperable during command execution.	E8 E9 E4 B8
0052 F104	Address mark error.	E4 E9 E8
0052 F106	CRC in ID or data field.	E4 E9 E8
0052 F107	CRC in ID or data field.	E4 E9 E8
0052 F108	Data overrun.	B8 E4
0052 F109	Seek error.	E4 E9
0052 F10A	Record not found.	E4 E9
0052 F10B thru F10F	Wrong sector number, no directory, format wrong, file name or boundary error.	E8
0052 F130	CC interrupt.	B8 B3 B4 C0

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2
		Result Code
0052 F131	System adapter error.	B8 E6/E7 E3 B9
0052 F132	Short interrupt.	B8 B9
0052 F133	Tag sequence error.	E3 E6/E7 B7 B9
0052 F134	Memory external error.	C0 E3 B8
0052 F135	Memory internal error.	B8 C0 E5 B9
0052 F136	Channel adapter error.	E6/E7 E3
0052 F140 thru F144	System adapter error.	B9 E3 B8 B7
0052 F200	Device not ready.	B7 D2 B9 B6
0052 F207	System adapter error.	B4
0052 F217	System adapter error.	B2 K3
0052 F230	System adapter error.	B7 B1 C1 D2
0052 F232	System adapter error.	D2 B4 D4 B7
0052 F236	System adapter error.	B9 B7 B2 K3
0052 F240	System adapter error.	B4 D2 B7 B1
0052 F241	System adapter error.	C1 B6 B4 B7
0052 F242	System adapter error.	B7 B8 B9 B3
0052 F243	System adapter error.	B7 B4 B3
0052 F244	System adapter error.	B7 B6 E6/E7 C1
0052 F245	System adapter error.	B7 B6
0052 F246	System adapter error.	B7 E6/E7
0052 F247	System adapter error.	C1 B6 B7 A8

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	F248	System adapter error.	B6 B7 C1
0052	F24A	System adapter error.	B7 B4 E6/E7 B3
0052	F24B	System adapter error.	B6 B4 B3 B7
0052	F24C	System adapter error.	B5 E3 B6 B7
0052	F24D	System adapter error.	B7 B6
0052	F24E	System adapter error.	E3 B5 B7 B6
0052	F24F	System adapter error.	B5 B6 A7 C1
0052	F250	System adapter error.	B3 B1 B7 B4
0052	F251	System adapter error.	B4 B3 B8 B7
0052	F252	System adapter error.	B4 B3 B8 B7
0052	F254	System adapter error.	B7 B9 E6/E7 B8
0052	F255	System adapter error.	B7 B1 B3
0052	F256	System adapter error.	B7 B8 B3 B4
0052	F257	System adapter error.	B2 B7
0052	F258	System adapter error.	I6 B7 B6 B2
0052	F260	System adapter error.	B1 B7 B2 K3
0052	F261	System adapter error.	E6/E7 B9 B8
0052	F262	System adapter error.	B2 B7 D2 D3
0052	F264	System adapter error.	B8
0052	F266	System adapter error.	E6/E7 B9 E3
0052	F267	System adapter error.	B6 B7 B9
0052	F268	System adapter error.	B2 B1 B3 B0

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052 F271	System adapter error.	E6/E7 B9
0052 F274	System adapter error.	B3 B4 B8 B2
0052 F275	System adapter error.	A9 A8 B0 A7
0052 F2A0	System adapter error.	B8 B9 E3
0052 F2F0	System adapter error.	C0 B8 B9 E3
0052 F2F1	System adapter error.	B8 B7
0052 F2F4	System adapter error.	B8 B7 B9
0052 F2F5	System adapter error.	B8 C0
0052 F2F6	System adapter error.	B8 B7 E6/E7
0052 F2F7	System adapter error.	B8 E4
0052 F2F8	System adapter error.	B7 E3
0052 F2FF	System adapter error.	B7 B9 E6/E7 C2
0052 F300	GCR formatter had a one track correction failure.	A8 A7 A6
0052 F308	GCR formatter had a one track correction failure.	A8 A7 A5 A6
0052 F30D	GCR formatter had a one track correction failure.	B4 A3 B7 A5
0052 F310	GCR formatter had a one track correction failure.	A6 A7 B1
0052 F320	GCR formatter had a one track correction failure.	A6 A7 A3
0052 F324	GCR formatter had a one track correction failure.	A6 A7 A4
0052 F328	GCR formatter had a one track correction failure.	A6 A7 A5

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	F360	GCR formatter had a one track correction failure.	A6 A7
0052	F378	GCR formatter had a one track correction failure.	A8 A7 A6 A5
0052	F400	PE track error detection failure.	A3 A9 A7 A8
0052	F404	PE track error detection failure.	A4 B0 A7 A8
0052	F407	PE track error detection failure.	A4 B0 A7 A8
0052	F408	PE track error detection failure.	A9 A7 A5 A8
0052	F409	PE track error detection failure.	B2 B4 B0 A7
0052	F40A	PE track error detection failure.	A7 A6 A5 A4
0052	F40B	PE track error detection failure.	A8 A7 B2 B1
0052	F40C	PE track error detection failure.	B1 B2 A7 A8
0052	F40D	PE track error detection failure.	A8 A9 B0 A7
0052	F40E	PE track error detection failure.	A8 B8 A9 B0
0052	F41A	PE track error detection failure.	A6 A8 A5 A7
0052	F41B	PE track error detection failure.	B4 A3 B7 A5
0052	F41C	PE track error detection failure.	B7 B6 C1 B4
0052	F420	PE track error detection failure.	A3 A1 A8
0052	F422	PE track error detection failure.	A3 A0 A8
0052	F424	PE track error detection failure.	A4 A1 A8
0052	F425	PE track error detection failure.	A4 A0 A8
0052	F428	PE track error detection failure.	A5 A0 A8
0052	F42A	PE track error detection failure.	A5 A3 A4 A7

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052 F42B	PE track error detection failure.	A6 A7 A1 B4
0052 F430	PE track error detection failure.	A3 A1
0052 F432	PE track error detection failure.	B1 A3 A0
0052 F434	PE track error detection failure.	A4 A1
0052 F435	PE track error detection failure.	A4 A0
0052 F438	PE track error detection failure.	A5 A0
0052 F43A	PE track error detection failure.	A6 A7 A8 B4
0052 F43B	PE track error detection failure.	A8 A7 A6 B4
0052 F43C	PE track error detection failure.	A6 A7
0052 F43E	PE track error detection failure.	A6 A7 A5
0052 F450	PE track error detection failure.	A3 A4 A5 A8
0052 F451	PE track error detection failure.	A7 A5 A6
0052 F452	PE track error detection failure.	A7 B4 A6
0052 F455	PE track error detection failure.	A3 A4 A5 A0
0052 F458	PE track error detection failure.	A5 A4 A3 A6
0052 F470	PE track error detection failure.	A7 A9 A8 A6
0052 F478	PE track error detection failure.	A8 A7 A6 A5
0052 F4A0	PE track error detection failure.	A7 A9 A8 A6
0052 F4B8	PE track error detection failure.	A9
0052 F500	Formatter failure.	A4 A6 A7 A5
0052 F501	Formatter failure.	A3 A6 A7 A5
0052 F502	Formatter failure.	A5 A7 A3 A4

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2
		Result Code
0052 F503	Formatter failure.	A6 A4 A7 A5
0052 F504	Formatter failure.	A7 A6 A5 A8
0052 F505	Formatter failure.	A8 A7 A6 A5
0052 F508	Formatter failure.	A7 A8 B2 A5
0052 F509	Formatter failure.	A8 A6 A7 A5
0052 F50A	Formatter failure.	B4 A3 B7 A5
0052 F510	Formatter failure.	B0 A9 A7 A5
0052 F511	Formatter failure.	A3 A9 A7 A5
0052 F512	Formatter failure.	A4 B0 A7 A5
0052 F513	Formatter failure.	A9 A8 B0 A7
0052 F517	Formatter failure.	A5 B1 A7 A8
0052 F520	Formatter failure.	A8 B8
0052 F521	Formatter failure.	A5 A2 A0 B2
0052 F522	Formatter failure.	A5 A2 A4 A6
0052 F523	Formatter failure.	A5 A4 A7 A3
0052 F524	Formatter failure.	A1 A2 B2 B1
0052 F525	Formatter failure.	A0 A2 B2 B1
0052 F526	Formatter failure.	A3 A5 B1 A2
0052 F527	Formatter failure.	A4 A5 B1 A2
0052 F529	Formatter failure.	A2 A7 B1
0052 F52A	Formatter failure.	A2 B2 B1 A5
0052 F52B	Formatter failure.	A5 B1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	F52C	Formatter failure.	B1 A5
0052	F52D	Formatter failure.	A3 A4 A2 A1
0052	F52E	Formatter failure.	A3
0052	F531	Formatter failure.	A1 A2 B2 A5
0052	F532	Formatter failure.	A0 A2 B2 A5
0052	F533	Formatter failure.	A3 A1 A2 A5
0052	F534	Formatter failure.	A3 A2 B2 A5
0052	F535	Formatter failure.	A4 A2 A1 A6
0052	F536	Formatter failure.	A4 A2 A0 A6
0052	F537	Formatter failure.	A4 B2 A5 A0
0052	F538	Formatter failure.	A2 A4 B2 A5
0052	F539	Formatter failure.	A3 A1 A2 A6
0052	F53A	Formatter failure.	A3 A2 B1 A0
0052	F53B	Formatter failure.	B1 A3 A5 A0
0052	F53C	Formatter failure.	A2 A3 A4 A5
0052	F53D	Formatter failure.	A1 A2 A3 A4
0052	F53E	Formatter failure.	A0 A2 A3 A4
0052	F53F	Formatter failure.	A5 B1 A6 A3
0052	F541	Formatter failure.	A0 A1 A2 A3
0052	F542	Formatter failure.	A5 A6 A7 A2
0052	F543	Formatter failure.	A0 A1 A2 B2
0052	F544	Formatter failure.	A1 B2 B1 A6

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2
		Result Code
0052 F545	Formatter failure.	A0 B2 B1 A6
0052 F546	Formatter failure.	A3 B2 B1 A6
0052 F547	Formatter failure.	A4 B2 B1 A6
0052 F549	Formatter failure.	A5 A6 A2 A7
0052 F555	Formatter failure.	A4 A6 A2 A8
0052 F556	Formatter failure.	A6 A4 A2 A8
0052 F557	Formatter failure.	A4 A0 A1 A3
0052 F559	Formatter failure.	A3 A6 A2 A8
0052 F55A	Formatter failure.	A6 A3 A2 A8
0052 F55B	Formatter failure.	A3 A0 A1 A2
0052 F55F	Formatter failure.	A0 A1 A2 A3
0052 F560	Formatter failure.	A1 A2 A3 A6
0052 F562	Formatter failure.	A0 A2 A3 A6
0052 F564	Formatter failure.	A1 A2 A4 A6
0052 F565	Formatter failure.	A0 A2 A4 A6
0052 F569	Formatter failure.	A6 A7 A2 A5
0052 F56A	Formatter failure.	A2 A0 A1 A5
0052 F56B	Formatter failure.	A0 A1 A2 A6
0052 F571	Formatter failure.	A1 A2 A7
0052 F572	Formatter failure.	A0 A2 A7
0052 F573	Formatter failure.	A0 A1 A2 A7
0052 F574	Formatter failure.	A4 A5 A2 A7

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052 F575	Formatter failure.	A1 A2 A4 A5
0052 F576	Formatter failure.	A0 A2 A4 A5
0052 F577	Formatter failure.	A0 A1 A2 A4
0052 F578	Formatter failure.	A3 A5 A2 A7
0052 F579	Formatter failure.	A1 A2 A3 A5
0052 F57A	Formatter failure.	A0 A2 A3 A5
0052 F57B	Formatter failure.	A0 A1 A2 A3
0052 F57C	Formatter failure.	A3 A4 A2 A5
0052 F57D	Formatter failure.	A1 A3 A4 A2
0052 F57E	Formatter failure.	A0 A3 A4 A2
0052 F57F	Formatter failure.	A0 A1 A2 A3
0052 F581	Formatter failure.	A0 A1 A2 A6
0052 F582	Formatter failure.	A3 B1 A0 A1
0052 F583	Formatter failure.	A0 A1 A2 A3
0052 F584	Formatter failure.	A4 A2 A0 A1
0052 F585	Formatter failure.	A0 A1 A2 A4
0052 F586	Formatter failure.	A5 A7 A3 A4
0052 F587	Formatter failure.	A0 A1 A2 A3
0052 F588	Formatter failure.	A5 A2 A0
0052 F589	Formatter failure.	A0 A1 A2 A5
0052 F58A	Formatter failure.	A3 A5 A2 A0
0052 F58B	Formatter failure.	A0 A1 A2 A3

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SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	F58C	Formatter failure.	A4 A2 A5 A0
0052	F58D	Formatter failure.	A0 A1 A2 A4
0052	F58F	Formatter failure.	A0 A1 A2 A3
0052	F590	Formatter failure.	B4 A3 B7 A5
0052	F5A1	Formatter failure.	A5 A3 A4 B1
0052	F5A2	Formatter failure.	A7 B1 A8 A6
0052	F5A3	Formatter failure.	A5 A7 B1 A6
0052	F5A6	Formatter failure.	A3 A5 B1 B2
0052	F5A7	Formatter failure.	A4 B1 A5 B2
0052	F5B4	Formatter failure.	A2 A3 B2 A5
0052	F5B5	Formatter failure.	A4 A8 A6 A1
0052	F5B6	Formatter failure.	A8 A6 B1 A4
0052	F5B7	Formatter failure.	A4 A0 A1 A2
0052	F5B9	Formatter failure.	A8 A7 A6 A1
0052	F5BA	Formatter failure.	A2 A0 A6 A8
0052	F5BF	Formatter failure.	A5 B1
0052	F700	Formatter failure.	A3
0052	F704	Formatter failure.	A4
0052	F708	Formatter failure.	A5
0052	F70D	Formatter failure.	B4 A3 B7 A5
0052	F710	Formatter failure.	A3 A2 A5 A1
0052	F711	Formatter failure.	A3 A2 A1 B1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	F712	Formatter failure.	A3 A2 A0 B1
0052	F714	Formatter failure.	A4 A2 A1 B1
0052	F715	Formatter failure.	A2 B1 A4 A0
0052	F716	Formatter failure.	A4 A2 A1 B1
0052	F717	Formatter failure.	A4 A2 B1 A0
0052	F718	Formatter failure.	A5 A2 A0 B1
0052	F719	Formatter failure.	A7 A5 B1 A6
0052	F71A	Formatter failure.	A5 A7 A6 A8
0052	F71F	Formatter failure.	A7
0052	F720	Formatter failure.	A5 A7 A3 B1
0052	F721	Formatter failure.	A3 A5 A2 A1
0052	F722	Formatter failure.	A3 A5 A0 A2
0052	F723	Formatter failure.	A2 A3 A0 A6
0052	F724	Formatter failure.	A4 B1 A5 A2
0052	F725	Formatter failure.	A4 A2 A0 A6
0052	F726	Formatter failure.	A4 A2 A1 A6
0052	F727	Formatter failure.	A4 A5 A2 A0
0052	F728	Formatter failure.	A5 A4 A3 A2
0052	F729	Formatter failure.	A8 A6 A7 A5
0052	F72A	Formatter failure.	A5 B1 A2 A3
0052	F730	Formatter failure.	B1 A0 A1 B4
0052	F731	Formatter failure.	B2 B4 A0 A1

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	F732	Formatter failure.	A0 A1 B1 B4
0052	F733	Formatter failure.	A0 A1 B1 B4
0052	F734	Formatter failure.	B1 A7 A0 A1
0052	F735	Formatter failure.	A1 B1 A0 B4
0052	F736	Formatter failure.	A0 B1 B2 K3
0052	F737	Formatter failure.	A5 A7 A9 A0
0052	F738	Formatter failure.	B4 A0 A5 A1
0052	F740	Formatter failure.	A8 A9 B1 A1
0052	F742	Formatter failure.	B1 A0 A1 A8
0052	F744	Formatter failure.	A8 B0 B1 A1
0052	F745	Formatter failure.	A8 B0 B1 A0
0052	F750	Formatter failure.	A0 A8 A9 B1
0052	F758	Formatter failure.	B4 A1 A0 A8
0052	F760	Formatter failure.	A1 B1 A0 A8
0052	F761	Formatter failure.	B1 A1 A8 A9
0052	F762	Formatter failure.	B1 A0 A1 B2
0052	F763	Formatter failure.	B1 A0 A8 A9
0052	F764	Formatter failure.	A1 B1 A0 A8
0052	F765	Formatter failure.	A0 B1 A8 B0
0052	F768	Formatter failure.	B1 B2 A0 A8
0052	F770	Formatter failure.	D3 K3 B2 A1
0052	F771	Formatter failure.	A1 B1 A8 A9

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2
		Result Code
0052 F772	Formatter failure.	A0 B1 K3 A8
0052 F773	Formatter failure.	K3 B1 A0 A8
0052 F774	Formatter failure.	A1 B1 A8 B0
0052 F775	Formatter failure.	B1 D3 K3 A0
0052 F778	Formatter failure.	A0 A1 B1 B2
0052 F795	Formatter failure.	E2 B1 A0 A8
0052 F798	Formatter failure.	A0 A1 B1
0052 F7A0	Formatter failure.	A1 A0 B1 A8
0052 F7A3	Formatter failure.	A1 A0 B1 A8
0052 F7A5	Formatter failure.	A1 A0 B1 A8
0052 F7B0	Formatter failure.	D3 B8 A1 B1
0052 F7B8	Formatter failure.	B2 A0 B1 A8
0052 F800	Formatter failure.	A2 A0 A1 A3
0052 F802	Formatter failure.	A2 A0 A3 A5
0052 F804	Formatter failure.	A2 A0 A1 A4
0052 F805	Formatter failure.	A2 A0 A4 A5
0052 F809	Formatter failure.	A2 A1 A3 A9
0052 F80A	Formatter failure.	A2 A0 A1 A3
0052 F80C	Formatter failure.	A2 A1 A3 A4
0052 F80D	Formatter failure.	A2 A0 A1 A3
0052 F80E	Formatter failure.	A2 A1 A3 A4
0052 F814	Formatter failure.	A2 A1 A3 A9

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	F81D	Formatter failure.	A2 A0 A3 A4
0052	F82D	Formatter failure.	A2 A0 A1 A4
0052	F82E	Formatter failure.	A2 A1 A4 B0
0052	F82F	Formatter failure.	A2 A0 A1 A4
0052	F837	Formatter failure.	A2 A0 A4 B0
0052	F840	Formatter failure.	A5 A7
0052	F849	Formatter failure.	A7
0052	F900	Formatter failure.	A8 A7 A5 A6
0052	F901	Formatter failure.	A8 A7 A5 A6
0052	F909	Formatter failure.	A8 A7 A6
0052	F917	Formatter failure.	A8 A7 A6
0052	F9C0	Formatter failure.	A7 B4 B9
0052	FA00	Formatter failure.	A8 B7
0052	FA40	Formatter failure.	B4 A3 B7 A5
0052	FB00	Formatter/system adapter failure.	E2 B2 B1 D3
0052	FB01	Formatter/system adapter failure.	E1 B2 B1 D3
0052	FB02	Formatter/system adapter failure.	E0 B2 B1 D3
0052	FB03	Formatter/system adapter failure.	D9 B2 B1 D3
0052	FB04	Formatter/system adapter failure.	D8 B2 B1 D3
0052	FB05	Formatter/system adapter failure.	D7 B2 B1 D3
0052	FB06	Formatter/system adapter failure.	D6 B2 B1 D3
0052	FB07	Formatter/system adapter failure.	D5 B2 B1 D3

SRC 1234 5678	Definition	For result code definitions, see C17 thru D5 Card 2
		Result Code
0052 FB08	Formatter/system adapter failure.	E2 B2 B1 F1
0052 FB09	Formatter/system adapter failure.	E1 B2 B1 F1
0052 FB0A	Formatter/system adapter failure.	E0 B2 B1 F1
0052 FB0B	Formatter/system adapter failure.	D9 B2 B1 F1
0052 FB0C	Formatter/system adapter failure.	D8 B2 B1 F1
0052 FB0D	Formatter/system adapter failure.	D7 B2 B1 F1
0052 FB0E	Formatter/system adapter failure.	D6 B2 B1 F1
0052 FB0F	Formatter/system adapter failure.	D5 B2 B1 F1
0052 FB10	Formatter/system adapter failure.	E2 B2 B1 F1
0052 FB11	Formatter/system adapter failure.	E1 B2 B1 F1
0052 FB12	Formatter/system adapter failure.	E0 B2 B1 F1
0052 FB13	Formatter/system adapter failure.	D9 B2 B1 F1
0052 FB14	Formatter/system adapter failure.	D8 B2 B1 F1
0052 FB15	Formatter/system adapter failure.	D7 B2 B1 F1
0052 FB16	Formatter/system adapter failure.	D6 B2 B1 F1
0052 FB17	Formatter/system adapter failure.	D5 B2 B1 F1
0052 FB18	Formatter/system adapter failure.	D3 B1 E2 B2
0052 FB19	Formatter/system adapter failure.	D3 B1 E1 B2
0052 FB1A	Formatter/system adapter failure.	D3 B1 E0 B2
0052 FB1B	Formatter/system adapter failure.	D3 B1 D9 B2
0052 FB1C	Formatter/system adapter failure.	D3 B1 D8 B2
0052 FB1D	Formatter/system adapter failure.	D3 B1 D7 B2

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	FB1E	Formatter/system adapter failure.	D3 B1 D6 B2
0052	FB1F	Formatter/system adapter failure.	D3 B1 D5 B2
0052	FB20	Formatter/system adapter failure.	B2 E2 D2 B1
0052	FB21	Formatter/system adapter failure.	B2 E1 D2 B1
0052	FB22	Formatter/system adapter failure.	B2 E0 D2 B1
0052	FB23	Formatter/system adapter failure.	B2 D9 D2 B1
0052	FB24	Formatter/system adapter failure.	B2 D8 D2 B1
0052	FB25	Formatter/system adapter failure.	B2 D7 D2 B1
0052	FB26	Formatter/system adapter failure.	B2 D6 D2 B1
0052	FB27	Formatter/system adapter failure.	B2 D5 D2 B1
0052	FB28	Formatter/system adapter, failure.	E2 B2 D2 B1
0052	FB29	Formatter/system adapter failure.	E1 B2 D2 B1
0052	FB2A	Formatter/system adapter failure.	E0 B2 D2 B1
0052	FB2B	Formatter/system adapter failure.	D9 B2 D2 B1
0052	FB2C	Formatter/system adapter failure.	D8 B2 D2 B1
0052	FB2D	Formatter/system adapter failure.	D7 B2 D2 B1
0052	FB2E	Formatter/system adapter failure.	D6 B2 D2 B1
0052	FB2F	Formatter/system adapter failure.	D5 B2 D2 B1
0052	FB30	Formatter/system adapter failure.	E2 B2 D2 B1
0052	FB31	Formatter/system adapter failure.	E1 B2 D2 B1
0052	FB32	Formatter/system adapter failure.	E0 B2 D2 B1
0052	FB33	Formatter/system adapter failure.	D9 B2 D2 B1

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 F9F9	No IBG was detected after a write, read, or space.	B1 B4
0052 F9FA	No IBG was detected after a write, read, or space.	B3 B1
0052 F9FC	No IBG was detected after a write, read, or space.	C1 A2/A3 D4
0052 F9FE	No IBG was detected after a write, read, or space.	D2 C1 F6 H1
0052 F9FF	No IBG was detected after a write, read, or space.	D2 H1
0052 FA00	No IBG detected after read or after write tape mark.	H1
0052 FA01	No IBG detected after read or after write tape mark.	B4
0052 FA02	No IBG detected after read or after write tape mark.	B3
0052 FA03	No IBG detected after read or after write tape mark.	A2/A3 B4
0052 FA04	No IBG detected after read or after write tape mark.	A5 B1 A1
0052 FA05	No IBG detected after read or after write tape mark.	A5 B1
0052 FA06	No IBG detected after read or after write tape mark.	B3 A1
0052 FA07	No IBG detected after read or after write tape mark.	B1 A1
0052 FA08	No IBG detected after read or after write tape mark.	B3 H1
0052 FA09	No IBG detected after read or after write tape mark.	B1 B4
0052 FA0A	No IBG detected after read or after write tape mark.	B3 B1

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 FA0C	No IBG detected after read or after write tape mark.	C1 A2/A3 D4
0052 FA0E	No IBG detected after read or after write tape mark.	D2 C1 F6 H1
0052 FA0F	No IBG detected after read or after write tape mark.	D2 H1
0052 FA11	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B4
0052 FA12	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B3
0052 FA13	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B3
0052 FA14	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B2 B1 A1 A5
0052 FA15	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B1 A5 B2 A1
0052 FA16	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B2 A1 B3
0052 FA17	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B2 A1 B1 A5
0052 FA18	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	A1 B3
0052 FA19	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B1 B4

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 FA1A	Command out, data end, or IBG did not occur within 1.2 seconds of detecting beginning of block.	B2 B1 B3
0052 FA20	ID burst was written on the wrong track.	H1
0052 FA21	ID burst was written on the wrong track.	B4
0052 FA22	ID burst was written on the wrong track.	B3
0052 FA23	ID burst was written on the wrong track.	A2/A3 B4
0052 FA24	ID burst was written on the wrong track.	A5 B1
0052 FA25	ID burst was written on the wrong track.	A5 B1
0052 FA26	ID burst was written on the wrong track.	B3
0052 FA27	ID burst was written on the wrong track.	B1
0052 FA28	ID burst was written on the wrong track.	B3 H1 D2 C1
0052 FA29	ID burst was written on the wrong track.	B1 B4
0052 FA2A	ID burst was written on the wrong track.	B3 B1
0052 FA2C	ID burst was written on the wrong track.	C1 A2/A3 D4 H1
0052 FA2E	ID burst was written on the wrong track.	D2 C1 F6 H1
0052 FA2F	ID burst was written on the wrong track.	D2

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	FA30	Time out occurred while searching for beginning of block.	H1 D2 C1 D6
0052	FA31	Time out occurred while searching for beginning of block.	B4
0052	FA33	Time out occurred while searching for beginning of block.	A2/A3
0052	FA34	Time out occurred while searching for beginning of block.	A5 B1 A1
0052	FA35	Time out occurred while searching for beginning of block.	A5 B1
0052	FA36	Time out occurred while searching for beginning of block.	D2 A1
0052	FA37	Time out occurred while searching for beginning of block.	B1 A1
0052	FA38	Time out occurred while searching for beginning of block.	A1
0052	FA39	Time out occurred while searching for beginning of block.	B1 B4
0052	FA3A	Time out occurred while searching for beginning of block.	B1
0052	FA3C	Time out occurred while searching for beginning of block.	C1 A2/A3 D4
0052	FA3E	Time out occurred while searching for beginning of block.	D2 C1 F6 H1
0052	FA3F	Time out occurred while searching for beginning of block.	D2
0052	FA41	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B4
0052	FA42	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B3

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 FA43	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B3
0052 FA44	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B2 B1 A5
0052 FA45	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B2 B1 A5
0052 FA46	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B2 B4
0052 FA47	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B2
0052 FA48	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B3
0052 FA49	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B1 B4
0052 FA4A	Command out occurred without data end or IBG within 1.2 seconds of beginning of block.	B2 B1 B3
0052 FA51	A crease found during a write command, but command out detected to correctly end the record.	A4 B4 B5
0052 FA52	A crease found during a write command, but command out detected to correctly end the record.	B3
0052 FA53	A crease found during a write command, but command out detected to correctly end the record.	B3 B5

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	FA54	A crease found during a write command, but command out detected to correctly end the record.	A1
0052	FA55	A crease found during a write command, but command out detected to correctly end the record.	B5
0052	FA56	A crease found during a write command, but command out detected to correctly end the record.	B3
0052	FA57	A crease found during a write command, but command out detected to correctly end the record.	A1 A4
0052	FA58	A crease found during a write command, but command out detected to correctly end the record.	A1 A4 B3
0052	FA59	A crease found during a write command, but command out detected to correctly end the record.	B4
0052	FA5A	A crease found during a write command, but command out detected to correctly end the record.	B3
0052	FB00	No defined operation – operator error.	J2
0052	FB10		A2/A3 B4 B5 A4
0052	FB20	Microdiagnostic hardware failure.	A4 A1 B3
0052	FB30	Beginning of tape bit not active.	C1 E2
0052	FB40	File protect bit active.	C1 A4 D3 D4
0052	FB50	Expected ending status has occurred.	B1 B2 B4 B5
0052	FB60	Unexpected unit exception.	C1 E2
0052	FB70	Data miscompare. Unit check was not set.	A5 B1 B2 A1

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 FB80	Byte count miscompare.	B2 B1 A5 A1
0052 FBA0	Operator error – invalid tape unit.	A4 B5 F2
0052 FB80	Invalid track in error byte.	H1 D2 D6 B2
0052 FBC0	Rewind failed – timed out.	C5 C4 C1
0052 FBD0	No nonreportable error when expected.	A1 B4 A4
0052 FBE0	IBG is not within specification.	C4 C5 C1
0052 FBF0	A rewind unload operation failed.	C1 A2/A3
0052 FC00	Microdiagnostics determined that forced errors are not detected.	H1 A5 B1 B2
0052 FC10	No nonreportable error when expected.	J2
0052 FC20	No nonreportable error when expected.	J2
0052 FC30	Microdiagnostics determined that forced ARA errors are not detected.	C1
0052 FC40	Clock and detection card did not function within acceptable phase change range.	A5 B2 B1
0052 FC81	Tape unit logic failure.	B4 B5
0052 FC82	Tape unit logic failure.	B3
0052 FC83	Tape unit logic failure.	A2/A3 B3 B5
0052 FC85	Tape unit logic failure.	B5
0052 FC86	Tape unit logic failure.	B3
0052 FC88	Tape unit logic failure.	B3
0052 FC89	Tape unit logic failure.	B4
0052 FC8A	Tape unit logic failure.	B3

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 FC8C	Tape unit logic failure.	C1 A2/A3 D4
0052 FC8E	Tape unit logic failure.	C1
0052 FC91	Tape unit check and ready reset are not set but the sense bits that set them are set.	B4 B5
0052 FC92	Tape unit check and ready reset are not set but the sense bits that set them are set.	B3
0052 FC93	Tape unit check and ready reset are not set but the sense bits that set them are set.	A2/A3 B3 B5
0052 FC95	Tape unit check and ready reset are not set but the sense bits that set them are set.	B5
0052 FC96	Tape unit check and ready reset are not set but the sense bits that set them are set.	B3
0052 FC98	Tape unit check and ready reset are not set but the sense bits that set them are set.	B3
0052 FC99	Tape unit check and ready reset are not set but the sense bits that set them are set.	B4
0052 FC9A	Tape unit check and ready reset are not set but the sense bits that set them are set.	B3
0052 FC9C	Tape unit check and ready reset are not set but the sense bits that set them are set.	C1 A2/A3 D4 B3
0052 FC9E	Tape unit check and ready reset are not set but the sense bits that set them are set.	C1

SRC 1234 5678	Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052 FCA1	Tape unit logic failure.	B4 B5
0052 FCA2	Tape unit logic failure.	B3
0052 FCA3	Tape unit logic failure.	A2/A3 B3 B5
0052 FCA5	Tape unit logic failure.	B5
0052 FCA6	Tape unit logic failure.	B3
0052 FCA8	Tape unit logic failure.	B3
0052 FCA9	Tape unit logic failure.	B4
0052 FCAA	Tape unit logic failure.	B3
0052 FCAC	Tape unit logic failure.	C1 A2/A3 D4 B3
0052 FCAE	Tape unit logic failure.	C1
0052 FCB0	Capstan velocity varied more than 5% during write.	D1 C5 C4 C1
0052 FCC0	ARA circuits failed to set read head circuits to correct gain.	H1 D6
0052 FCC1	ARA circuits failed to set read head circuits to correct gain.	B5 B4 H1 D2
0052 FCC2	ARA circuits failed to set read head circuits to correct gain.	B3 H1
0052 FCC3	ARA circuits failed to set read head circuits to correct gain.	A2/A3 B3 B5
0052 FCC5	ARA circuits failed to set read head circuits to correct margin.	B5
0052 FCC6	ARA circuits failed to set read head circuits to correct margin.	B3
0052 FCC8	ARA circuits failed to set read head circuits to correct gain.	B3 H1 D2 C1

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	FCC9	ARA circuits failed to set read head circuits to correct gain.	B3
0052	FCCA	ARA circuits failed to set read head circuits to correct gain.	B3
0052	FCCC	ARA circuits failed to set read head circuits to correct gain.	C1 A2/A3 D4 H1
0052	FCCE	ARA circuits failed to set read head circuits to correct gain.	D2 C1 F6 H1
0052	FCD0	Lost vacuum in left column after tape was loaded.	G5 D1 E4 C4
0052	FCE0	Lost vacuum in right column after tape was loaded.	G5 D1 C1 F1
0052	FCF0	A driver control failure occurred.	D1 C5 C4 C1
0052	FD00	Both write voltage and erase are on during read status.	D2 C1 D6 D3
0052	FD10	Power feedback failure to capstan and reel motors.	D1 C5 C1 C4
0052	FD20	Illegal operation.	C1 A2/A3 A5 B1
0052	FD30	Reset or interlock switches activated during disconnected command.	C1 F3 F2
0052	FD41	Tape unit check sense bit active without any tape unit error sense bit on.	B4 B5
0052	FD42	Tape unit check sense bit active without any tape unit error sense bit on.	B3
0052	FD43	Tape unit check sense bit active without any tape unit error sense bit on.	A2/A3 B3 B5
0052	FD45	Tape unit check sense bit active without any tape unit error sense bit on.	B5
0052	FD46	Tape unit check sense bit active without any tape unit error sense bit on.	B3

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	FD48	Tape unit check sense bit active without any tape unit error sense bit on.	E3
0052	FD49	Tape unit check sense bit active without any tape unit error sense bit on.	B4
0052	FD4A	Tape unit check sense bit active without any tape unit error sense bit on.	B3
0052	FD4C	Tape unit check sense bit active without any tape unit error sense bit on.	C1 A2/A3 D4 B3
0052	FD4E	Tape unit check sense bit active without any tape unit error sense bit on.	C1 A2/A3 B5
0052	FD50	Reset or interlock switch activated during a connected command.	C1 F3 F2
0052	FD60	Interrupt received without any supporting sense.	A2/A3 C1 H6
0052	FD70	Interrupt, unit check, or ready reset without any tape unit sense data.	G5 C1 C5 C4
0052	FD71	Interrupt, unit check, or ready reset without any tape unit sense data.	B4
0052	FD73	Interrupt, unit check, or ready reset without any tape unit sense data.	A2/A3
0052	FD79	Interrupt, unit check, or ready reset without any tape unit sense data.	B4
0052	FD7C	Interrupt, unit check, or ready reset without any tape unit sense data.	A2/A3 D4
0052	FD80	Capstan direction is opposite of what it should be.	D1 C5 C4
0052	FD90	No vacuum is sensed.	C1 C4 E3
0052	FDA0	No vacuum is sensed.	D1 C5 C1 C4
0052	FDB0	Left column capacitive sense circuits unable to control tape.	D1 C1 C5 C4

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	FDC0	Right column capacitive sense circuits unable to control tape.	D1 C1 C5 C4
0052	FDD0	Tape unit detected that the vacuum up switch failed.	G3 G2 G1 C4
0052	FDE0	Interrupt without supporting sense.	C1 A2/A3 H6
0052	FE00	A driver control failure during a load operation.	D1 C5 C4 C1
0052	FE10	Both write and erase head voltages are on during a load op.	D2 C1 D6 D3
0052	FE20	Power feedback failure to capstan and reel motors.	D1 C5 C1 C4
0052	FE31	Unit check and ready reset sense miscompare.	B4 B5
0052	FE32	Unit check and ready reset sense miscompare.	B3
0052	FE33	Unit check and ready reset sense miscompare.	A2/A3 B3 B5
0052	FE35	Unit check and ready reset sense miscompare.	B5
0052	FE36	Unit check and ready reset sense miscompare.	B3
0052	FE38	Unit check and ready reset sense miscompare.	B3 C1 A2/A3 B4
0052	FE39	Unit check and ready reset sense miscompare.	B3
0052	FE3A	Unit check and ready reset sense miscompare.	B4
0052	FE3C	Unit check and ready reset sense miscompare.	B3
0052	FE3E	Unit check and ready reset sense miscompare.	C1

SRC 1234 5678		Definition	For result code definitions, see A12 thru A15 Card 2 Result Code
0052	FE40	Tape unit load failure but no hardware failure detected.	D1 E4 C5 C1
0052	FE50	Reset or interlock switch failure.	C1 F3 F2
0052	FE60	Reset or interlock switch failure.	C1 F3 F2
0052	FE70	Capstan speed varies more than 5% during load operation.	D1 C5 C4 C1
0052	FE80	Interrupt without supporting sense data during load failure.	C1
0052	FE90	Capstan direction opposite of what it should be during load failure.	D1 C5 C4 C1
0052	FEA0	No vacuum is sensed.	G5 H1 C1 C5
0052	FEB0	No vacuum is sensed.	C5 C1 C4 E5
0052	FEC0	Left column capacitive sense circuits failure.	G5 D1 C5 C1
0052	FED0	Right column capacitive sense circuits failure.	D1 C5 C1 C4
0052	FEE0	Vacuum up switch did not pick within 5 seconds during load.	G3 G2 G1 G4
0052	FFC0	HDC feature card (01AB2-R4) in the System/38.	P3
0052	FFD0	Tape adapter card (01AB2-Q2) in the System/38	P1
0052	FFE0	Tape adapter card (01AB2-Q2) or HDC card (01AB2-R4), or the top card topnectors in SYS/38.	P1 P3 H2

3430 RC Table

Result Code	Definition	MIM Reference	P/N
A1	Channel adapter card (A-A1B2)	Carr 490	
A2	Device adapter card (A-A1C2)	Ref 120	
A3	Device adapter feature card (A-A1D2)	Ref 120	
A4	Power on reset card (A-A1E2)	Carr 490	
A5	Clock and detection card (A-A1G2)	Carr 490	
B1	Read skew card (A-A1H2)	Carr 490	
B2	Error correction card (A-A1J2)	Carr 490	
B3	Write card (A-A1K2)	Carr 490	
B4	Micro processor card (A-A1M2)	Carr 490	
B5	Micro code storage card (A-A1N2)	Carr 490	
C1	Tape unit logic board	Carr 490	
C2	Bus card	Carr 480	
C3	Tag card	Carr 480	
C4	Motion control card	Loc 100	
C5	Motion control board	Carr 110	
D1	Capstan motor	Carr 300	
D2	R/W card assembly	Carr 370	
D3	File protect assembly	Carr 90	
D4	Interface cables	Ref 120, ref 150	
D5	Interface cables	Ref 110, ref 140	

Result Code	Definition	MIM Reference	P/N
D6	R/W head assembly	Carr 371	
E1	Interface cables	Loc 70	
E2	BOT/EOT assembly	Carr 160	
E3	Left col vacuum sw	Carr 170	
E4	Left reel motor	Carr 350	
E5	Right col vacuum sw	Carr 170	
F1	Right reel motor	Carr 350	
F2	Op panel sw card	Carr 450	
F3	Interlock sw	Carr 410	
F4	Right capacitive sense assembly	Carr 120	
F5	Left capacitive sense assembly	Carr 120	
F6	R/W interface cables	Ref 280	
G1	Vacuum up sw	Carr 250	
G2	Vacuum pump belt	Carr 270	
G3	Vacuum motor	Carr 280	
G4	Vacuum pump	Carr 260	
G5	Vacuum column door	Carr 200	
G6	Vacuum motor relay	Carr 200	
H1	Clean the tape path		
H2	Inspect top card connectors		
H3	Change the patch modules/card A-A1 P4		
H4	Go to MAP 3000		

3430 RC Table

Result Code	Definition	MIM Reference	P/N
H5	Check vacuum column cover for tightness		
H6	CE panel		
J1	MAP 1350, entry A		
J2	No FRUs called out		
K1	Waiting for C.E. entry – run again	Fscd 20	
K2	Invalid C.E. entry – refer fscd 20 code 0B-4		
K3	Routing is running – no action required		
N0	Power control failure – run MAP 6603		
P1	Tape adapter card (01AB2-Q2)		2771192
P2	Channel interface cards – tape unit		
P3	HDC feature card (01AB2-R4)		2445462
P4	Block size on tape not compatible with the HDC feature.		
Q0	Online/offline switch		
Q1	Power on/off switch		
Q2	Go to the 3430 MIM start section		
R0	Expected data		
R1	Use FSC generated for this error		
R2	System/38 ribbon cable (01AB2-Q2W2)		
R3	Tailgate connectors (01DA2-bottom)		
R4	External tag cable		

Result Code	Definition	MIM Reference	P/N
R5	FSC for device		
R6	System/38 ribbon cable (01AB2-Q2X2)		
R7	Tailgate connectors (01DA2-top)		
R8	External cable (bus)		
R9	Channel interface cards in tape control unit		
S0	VMC failure (IOM)		
S1	VMC failure		
S2	SCA related failure (IOM or interface)		
S3	Decompress data error		
S4	Failed during vary on		
S5	Go to the 3430 MIM start section		
S7	Command reject		
S8	Post event		
S9	FOB time out		
U4	Expected result or error caused by operator		
U5	Unexpected result for FIDC feature		
Z1	Go to MAP 0500, entry E		
Z2	Go to channel error log analysis MAP		
Z3	Interposer (01AB2 Q2Y and R4W, Q2Z and R4X)		
Z7	Volume SDR counters were reset		

3422 SRC Table (OU = 52)

SRC 1234 5678		Definition	For result code definitions, see C17 thru D5 Card 2 Result Code
0052	0000	Error occurred during power on/off	N099
0052	1000	Post event.	P140 P340 Z320
0052	1200	Unsuccessful post event.	R150 U450
0052	1300	Invalid disconnect.	S150 Z250
0052	2000	FOB error.	S199
0052	2300	Error code indicates sense required.	S090 P110
0052	2500	Tape unit busy.	S545 P125 P325 S105
0052	3000	Select in error.	N040 Q030 Q130
0052	3200	Disconnect in error.	Q299
0052	3300	Interface control check.	P235 S530 P120 P315
0052	3400	Adapter bus in check.	R635 R825 R925
0052	3500	Adapter detected bus out check.	P140 P340 Z320
0052	3600	Unexpected status.	P160 S530 P310
0052	3700	Expand data error.	S370 P330
0052	3800	HDC card failure.	P370 Z330
0052	3900	Interface error.	Z340 P130 P330
0052	3A00	HDC card error.	P370 Z330
0052	3B00	IOM error: DSTAT byte 4 is hex 0A, 0B, 0C, or 0D. Hardware error: Dstat byte 4 is hex 20, 21, 22; or 23. Unexpected error: Dstat byte 4 is hex 25, or 26. Adaptor error: Dstat byte 4 is hex 15, 27, or 26.	S199 P399 P399 P199

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81 _{XX} x30F		B2 B4 B6 E1 B3 B5 B7 E1
81 _{XX} x310		B2 B6 B3 B7
81 _{XX} x311		B2 B4 B6 E1 B3 B5 B7 E1
81 _{XX} x312		B2 B4 B6 E1 B3 B5 B7 E1
81 _{XX} x313		B6 E1 B2 B4 B7 E1 B3 B5
81 _{XX} x314		B6 E1 B2 B4 B7 E1 B3 B5
81 _{XX} x315		B2 B4 B6 E1 B3 B5 B7 E1
81 _{XX} x316		B2 B4 B6 E1 B3 B5 B7 E1
81 _{XX} x317		B2 B4 B6 E1 B3 B5 B7 E1
81 _{XX} x318		B2 B4 B6 E1 B3 B5 B7 E1
81 _{XX} x319		B6 B2 B7 B3
81 _{XX} x31A		B2 B6 B3 B7

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x31B		B2 B4 B6 E1 B3 B5 B7 E1
81xx x31C		B2 B4 B6 E1 B3 B5 B7 E1
81xx x31D		B6 E1 B2 B4 B7 E1 B3 B5
81xx x31E		B2 B6 B3 B7
81xx x31F		B2 B4 B6 E1 B3 B5 B7 E1
81xx x320		B2 B4 B6 E1 B3 B5 B7 E1
81xx x321		B2 B6 B3 B7
81xx x322		B2 B4 B6 E1 B3 B5 B7 E1
81xx x323		B2 B4 B6 E1 B3 B5 B7 E1
81xx x324		B6 E1 B2 B4 B7 E1 B3 B5
81xx x325		B2 B4 B6 E1 B3 B5 B7 E1
81xx x326		E1 B4 B2 B6 E1 B5 B3 B7

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81XX X340		B1 B4 B1 B5
81XX X400		B4 B1 A2 B5 B1 A2
81XX X401		B2
81XX X402		B2 B6
81XX X403		B4
81XX X404		B4
81XX X410		B4 B1 A2 B5 B1 A2
81XX X411		B2
81XX X412		B2 B6
81XX X413		B4
81XX X414		B4
81XX X500		B4 B1 A2 B5 B1 A2
81XX X600		B4 B1 A2 B5 B1 A2
81XX X601		B1
81XX X603		E1 B6 B4 E1 B7 B5
81XX X604		B2 B3

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x605		B4 B5
81xx x606		B2 B3
81xx x607		B4 B2 B6 B5 B3 B7
81xx x700		B1 B6 A1 B1 B7 A1
81xx x701	Damaged sectors have been detected.	B1 B6 A1 A2 B1 B7 A1 A2
81xx x702	Possible failure caused by incorrectly formatted cylinder 0000 heads 1 and 3.	E1 B6 E1 B7
81xx x703	Damaged sectors have been detected on cylinder 0000.	B1 B6 A1 A2 B1 B7 A1 A2
81xx x712	The Model A01 has failed or the disk needs its sector IDs rewritten.	A1 A2 A3
81xx x713	The Model A01 has failed or the disk needs its sector IDs rewritten.	A1 A2 A3
81xx x715	The Model A01 has failed	A1 A2 A3
81xx x716		B6 B2 B4 B7 B3 B5
81xx x717		A1 B1 B4 B2 A1 B1 B5 B3
81xx x718		B4 B5

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81 _{XX} x719		B1 B4 B6 B1 B5 B7
81 _{XX} x71A		A1 B6 B2 A1 B7 B3
81 _{XX} x71B	The diagnostic sectors on the diagnostic cylinder may have been damaged. Try rewriting the IDs of the sectors on the diagnostics cylinder.	A1 B6 B1 A1 B7 B1
81 _{XX} x71C		A1 B6 B4 B1 A1 B7 B5 B1
81 _{XX} x71E	The ID fields of the sectors on the diagnostic cylinder need rewriting.	E1
81 _{XX} x7F0		A1 A2 B1 D1 D2 D3
81 _{XX} x7F1		A2 B1 D1 D2 D3
81 _{XX} x7F2		B4 B1 A2 B5 B1 A2
81 _{XX} x7F4		B4 B1 A2 B5 B1 A2
81 _{XX} x7F5		B4 B5
81 _{XX} x801		B1 B4 B1 B5
81 _{XX} x802		B1 B4 B1 B5
81 _{XX} x805		B4 B2 B1 B6 A2 B5 B3 B1 B7 A2

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x810		A1 B1 B4 A1 B1 B5
81xx x811		A1 B1 B4 A1 B1 B5
81xx x814		A1 B1 B4 A1 B1 B5
81xx x820		A1 B6 B2 A1 B7 B3
81xx x821		A1 B6 B2 A1 B7 B3
81xx x822		A1 A2
81xx x823		B4 B1 B5 B1
81xx x824		B1 D1 D2 A3 A2
81xx x826	The diagnostic sectors on the diagnostic cylinder may have been damaged. Try rewriting the IDs of the sectors on the diagnostic cylinder.	A2
81xx x830	The ID fields of the sectors on the diagnostic cylinder need rewriting.	On-site Service Required.
81xx x831	The diagnostic sectors on the diagnostic cylinder may have been damaged. Try rewriting the IDs of the sectors on the diagnostic cylinder.	E1
81xx x832	The ID fields of the sectors on the diagnostic cylinder need rewriting.	On-site Service Required.
81xx x833	The ID fields of the sectors on the diagnostic cylinder need rewriting.	On-site Service Required.

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x834	The ID fields of the sectors on the diagnostic cylinder need rewriting.	On-site Service Required.
81xx x840		A1 A3
81xx x841		A1 A3
81xx x842		A1 A3
81xx x843		B4 A1 B6 B2 B5 A1 B7 B3
81xx x844		B4 A1 B6 B2 B5 A1 B7 B3
81xx x845		A1 A3
81xx x846		B4 A1 B6 B2 B5 A1 B7 B3
81xx x847		B4 A1 B6 B2 B5 A1 B7 B3
81xx x848		A1 A3
81xx x849		A1 A3
81xx x84A		A1 A3
81xx x84B		A1 A3
81xx x84C		A1 B1 B4 A1 B1 B5
81xx x84D		B1 B6 A1 B1 B7 A1
81xx x84E		A2 A1

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81XX X84F		A2 A1
81XX X850		A2 A1
81XX X851		A2 A1
81XX X852		A2 A1
81XX X880		B1 B4 B1 B5
81XX X881		B4 B2 B1 B6 A2 B5 B3 B1 B7 A2
81XX X882		B1 B4 D2 D3 C6 B1 B5 D2 D3 C7
81XX X883		B1 B4 D2 D3 C6 B1 B5 D2 D3 C7
81XX X884		B1 B4 D2 D3 C6 B1 B5 D2 D3 C7
81XX X885		B4 B2 B1 B6 A2 B5 B3 B1 B7 A2
81XX X886		B4 B1 A2 B5 B1 A2
81XX X8F0		A2 B1 D1
81XX X8F1		A2 B1 D1
81XX X8F2		B4 B1 A2 B5 B1 A2
81XX X8F3		B4 B1 A2 B5 B1 A2

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x8F4		B4 B1 A2 B5 B1 A2
81xx x8F5		A2
81xx xA01		M1
81xx xA02		B4 M1 B0 B5 M1 B0
81xx xA03	Motor stop tag failed	B4 B5
81xx xA04		B4 M1 B0 B5 M1 B0
81xx xA05		M1
81xx xA06		B4 B5
81xx xA07		B4 B5
81xx xA08		B4 B5
81xx xA09	Device error during motor start.	B4 M1 B5 M1
81xx xA0A	MP detected error or motor unsafe after issuing start.	B4 M1 B5 M1
81xx xA0B	Motor sense = 80 after motor start.	B4 B5

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx xA0C	Motor running bit not on 67 seconds after the start tag was issued.	B4 M1 B5 M1
81xx xA0D	No-op complete 67 seconds after the start tag was issued.	B4 B5
81xx xAF0	Adapter reset failed	On-site Service Required.
81xx xAF1	Select failure	On-site Service Required.
81xx xAF2	Device reset failed	D1 D2 D3
81xx xAF3	Resync tag failed	On-site Service Required.
81xx xAF4	Resync timeout	On-site Service Required.
81xx xAF5	Device sense tag failed	P1 B4 B5
81xx xB01	Incorrect device selected	On-site Service Required.
81xx xB10	Failing direct-access storage unit 0.	A2 B1
81xx xB11	Failing direct-access storage unit 0.	A2 B1
81xx xB12	Failing direct-access storage unit 1.	A2 B1
81xx xB13	Failing direct-access storage unit 1.	A2 B1
81xx xB14	Failing direct-access storage unit 2.	A2 B1
81xx xB15	Failing direct-access storage unit 2.	A2 B1
81xx xB16	Failing direct-access storage unit 3.	A2 B1
81xx xB17	Failing direct-access storage unit 3.	A2 B1
81xx xB20		A2
81xx xB21		A2

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81XX XB22		A2
81XX XB23		A2
81XX XB24		A2
81XX XB25		A2
81XX XB26		A2
81XX XB27		A2
81XX XB30		A2 A3
81XX XB31		A2 A3
81XX XB32		A2 A3
81XX XB33		A2 A3
81XX XB34		A2 A3
81XX XB35		A2 A3
81XX XB36		A2 A3
81XX XB37		A2 A3
81XX XB40		A2 A3
81X. XB41		A2 A3
81XX XB42		A2 A3
81XX XB43		A2 A3
81XX XB44		A2 A3
81XX XB45		A2 A3
81XX XB46		A2 A3

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx xB47		A2 A3
81xx xB4E		A2
81xx xB55	No devices available for testing	On-site Service Required.
81xx xB5E		A2 A3 A1
81xx xB60	Failing direct-access storage unit 0.	A2 B1
81xx xB62	Failing direct-access storage unit 1.	A2 B1
81xx xB64	Failing direct-access storage unit 2.	A2 B1
81xx xB66	Failing direct-access storage unit 3.	A2 B1
81xx xB70		A2 B1
81xx xB72		A2 B1
81xx xB74		A2 B1
81xx xB76		A2 B1
81xx xB80		A2
81xx xB82		A2
81xx xB84		A2
81xx xB86		A2
81xx xB90		A2
81xx xB92		A2
81xx xB94		A2
81xx xB96		A2
81xx xBA0	Failing direct-access storage unit 0.	B1 A2

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx xBA2	Failing direct-access storage unit 1.	B1 A2
81xx xBA4	Failing direct-access storage unit 2.	B1 A2
81xx xBA6	Failing direct-access storage unit 3.	B1 A2
82xx x000	Trace missing mainline voltage to failing device.	On-site Service Required
82xx x001		P1
82xx x002		P2 P1 T1
82xx x003		T1 P2 P1 C4
82xx x004		P2
82xx x005		P1
82xx x006		P1
82xx x007		P4 P1
82xx x008		P4 P1 B8 B9
82xx x009		P4 P1 M1
82xx x010		P4 P1 M1
82xx x011		P4 P1 M1
82xx x012		P4 P1 M1
82xx x013		P1 P4
82xx x014		P4 P1
82xx x015		P2 P1 T2
82xx x016		P1 P2
82xx x017		P2 P1 P4 M1 B8 B9 B4 B5 B2 B3 B1 B6 B7

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
82XX X018		P1
82XX X019		P2 P4
82XX X020		P1 P4
82XX X021		P1
82XX X022		P1 B4
82XX X023		P1 B4
82XX X024		B4 M1 P1 P2 P4 B2
82XX X025		P1
82XX X026		P1 P2 B2
82XX X027		P1 F2
82XX X028		P1 Z2
82XX X029	Remote Power on has failed	On-site Service Required.
82XX X200		Z2 B0
82XX X201		P1
82XX X202		P1
82XX X203		Z2 B0
82XX X204		P1
82XX X205		B4 P1
82XX X206		B5 P1
82XX X207		P1
82XX X208		P1 Z2

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
82xx \209		B4 B5
82xx \211		P1 B4
82xx \212		P1 B5
82xx \215		P1 M1 B0
82xx \216		P1 B4 B5
82xx \217		M1 P4
82xx \218		P1
82xx \220		B4 P1 B5 P1
82xx \221		B1 D1 Z2 B0
82xx \222		B5 I6 B5 I5
82xx \223		B1 P1 D1 Z2 B0
82xx \224		M1 M2 P2 P1
82xx \225		B4 B2 B1 A2 A3 B5 B3 B1 A2 A3
82xx \500	Trace open-circuit power cable from main input socket to distribution box.	On-site Service Required.
82xx \502		F1 P3 C0 S4
82xx \503		On-site Service Required.
82xx \504		P3 F1 C0

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
82XX A505		P3
82XX A506		P3 A3 A2 A1
82XX A507		P3 C1
82XX A508		A3 A2 A1 F
82XX A509		P3 A3 A2 A1
82XX A510		P3
82XX A511		P3 A3
82XX A513		P3 A2 A3
82XX A514		A3 A1 A2
82XX A519		S1
82XX A520		Z1 P3
82XX A521		Z1 A3
82XX A522		P3
82XX A523		Z1
83XX A100		B4 B2 P1 B1 B5 B3 P1 B1
83XX A101		B2 B6 B1 B3 B7 B1
83XX A102		B8 B2 B4 B6 B9 B3 B5 B7
83XX A103		B2 B4 B6 B3 B5 B7

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{XX} x104		B8 B4 B9 B5
83 _{XX} x105		B4 B1 B5 B1
83 _{XX} x106		P1 B4 P1 B5
83 _{XX} x107		B4 M1 B5 M1
83 _{XX} x108		P1 B8 B4 P1 B9 B5
83 _{XX} x109		B4 B5 B2 B3 E1 B6 B7 M1
83 _{XX} x10A		B6 B2 B7 B3
83 _{XX} x10B		E1 B6 E1 B7
83 _{XX} x10C		P1 S2 C5 B4 B2 P1 S2 C5 B5 B3
83 _{XX} x10D		B2 B1 B3 B1
83 _{XX} x10E		P1 B8 B4 P1 B9 B5
83 _{XX} x10F		B4 B2 B6 B5 B3 B7

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{XX} x110		B6 E1 B7 E1
83 _{XX} x111		B4 B2 B8 B5 B3 B9
83 _{XX} x112		B2 B1 B3 B1
83 _{XX} x113		E1 B6 B2 B8 E1 B7 B3 B9
83 _{XX} x114		B8 C3 B4 E1 B9 C3 B5 E1
83 _{XX} x115		B2 B4 B8 B5 B3 B9
83 _{XX} x116		B8 M1 B4 B9 M1 B5
83 _{XX} x117		B8 B4 S7 B9 B5 S7
83 _{XX} x118		P2 S7 B4 B2 B6 P2 S7 B5 B3 B7
83 _{XX} x119		B4 M1 P1 B5 M1 P1
83 _{XX} x11A		B2 B4 B3 B5 B6 B7 E1
83 _{XX} x11B		B2 B3

Attachment SRC 1234 5678	Definition	For result code definitions, see D1 and D2 Card 3 Result Code and Probability %
79xx x104	Post event data bus parity error	A274 A124 B101
79xx x105	Post event memory error	A199
79xx x106	Post event address parity error	A274 A124 B101
79xx x108	Post event multiple errors	A174 A224 B101
79xx x110	Post event invalid channel disconnect	A250 A148 B101
79xx x111	Post event start or halt for an invalid OU	A250 A148 B101
79xx x112	Post event unexpected interrupt	A198 B101
79xx x113	Post event undefined exception	A199
79xx x114	Post event spurious interrupt	A174 A224 B101
79xx x115	Post event unidentifiable hardware error	A274 A124 B101
79xx x119	Post event address exception	A278 A110 M210 B101
79xx x120	Post event microcode exception	A150 M249
79xx x121	Post event illegal op code	A278 A110 M210 B101
79xx x122	Post event async limit exceeded	I190 A209
79xx x270	IOP Scan FRU not found	M499
79xx x271	IOP RAM load FRU not found	M499
79xx x272	IOP diagnostic RAM load FRU not found	M499
79xx x273	IOA RAM load FRU not found	M499
79xx x274	9335 IML FRU not found	M499
79xx x275	9332 IML FRU not found	M499

Attachment SRC 1234 5678	Definition	For result code definitions, see D1 and D2 Card 3 Result Code and Probability %
79xx x290	FOB timeout on a start-up FOB	A199
79xx x291	FOB timeout on an execute memory and return FOB	A199
79xx x292	FOB timeout on a load OU FOB	A199
79xx x293	FOB timeout on a write IOA program RAM FOB	A199
79xx x294	Write/read IOA data miscompare	A289 M307 A103
79xx x295	SCA unable to reset IOP	A160 C139
79xx x296	SCA unable to scan out IOP	A195 C104
79xx x297	SCA unable to scan in IOP	A195 C104
79xx x298	SCA timeout	S199
79xx x501	IOP FRU is failing	A194 C105
79xx x502	IOA FRU is failing	A294 A105
79xx x503	Attached device is failing	I194 C205
79xx x504	DFCI cable is failing	C294 A205
79xx x998	Channel busy	A198 B101
79xx x999	Operation program error	M199

9332/9335 Attachment RC Table

Attach Result Code	Definition	P/N
A1	IOP card (01AB2T2) OUs C0 through CF	6370282
	IOP card (02AA1E2) OUs E0 through EF	6370282
A2	IOA card (01AB2S2) OUs C0 through C7	6370240
	IOA card (01AB2U2) OUs C8 through CF	6370240
	IOA card (02AA1D2) OUs E0 through E7	6370240
	IOA card (02AA1K2) OUs E8 through EF	6370240
B1	Logic board OUs C0 through CF (01AB2)	69X5444
	Logic Board OUs E0 through EF (02AA1)	69X5446
C1	IOP cable OUs C0 through CF (01AB2T2Z to 01AB2Z5)	6370107
	IOP cable OUs E0 through EF (from 02AA2E2Z to 02AA2Z2)	6370110
C2	Internal signal cable OUs C0 through C7 (01A22S2X, Y, Z to 01DA4A1)	69X5495
	Internal signal cable OUs C8 through CF (01AB2U2X, Y, Z to 01DA4B1)	2445921
	Internal signal cable OUs E0 through E7 (02AA1D2X, Y, Z to 02BA2A1)	69X5413
	Internal single cable OUs E8 through EF (02AA1K2X, Y, Z to 02BA2B1)	69X5414
	External signal cable (0.6 meter)	6495253

Attach Result Code	Definition	P/N
	External signal cable (1.5 meter)	6495254
	External signal cable (2.5 meter)	6495250
	External signal cable (4.0 meter)	6495252
	External signal cable (6.0 meter)	6495251
	External signal cable (10.0 meter)	6495255
	External signal cable (20.0 meter)	6495256
	External signal cable (30.0 meter)	6495257
	External signal cable (40.0 meter)	6495258
	External signal cable (60.0 meter)	6495264
C3	I/O channel – run channel maps for FRU isolation	On-Site Service Required
I1	I/O Devices	
M1	VMC microcode	
M2	IOP Microcode	
M3	External DASD configuration in the MCR is not correct	
M4	Missing DFCL subsystem module	On-Site Service Required
S1	SCA – run SCA maps for FRU isolation	On-Site Service Required

9335 SRC Table

Positions **2, 6, 7, 8** of the System SRC contain positions **1, 2, 3** and **4** respectively of the 9335 Unit Reference Code. Refer to the *IBM 9335, Direct-Access Storage Subsystem: Guide to Unit Reference Codes*, SY33-0143., for service actions which may be required before or after FRU replacement.

Use the Result Code and Probability in the table below to determine the service action or parts required.

Position 3, 4 = Actuator OU Number.

CO = 1st actuator OU number	E0 = 17th actuator OU number
C1 = 2nd actuator OU number	E1 = 18th actuator OU number
C2 = 3rd actuator OU number	E2 = 19th actuator OU number
C3 = 4th actuator OU number	E3 = 20th actuator OU number
C4 = 5th actuator OU number	E4 = 21st actuator OU number
C5 = 6th actuator OU number	E5 = 22nd actuator OU number
C6 = 7th actuator OU number	E6 = 23rd actuator OU number
C7 = 8th actuator OU number	E7 = 24th actuator OU number
C8 = 9th actuator OU number	E8 = 25th actuator OU number
C9 = 10th actuator OU number	E9 = 26th actuator OU number
CA = 11th actuator OU number	EA = 27th actuator OU number
CB = 12th actuator OU number	EB = 28th actuator OU number
CC = 13th actuator OU number	EC = 29th actuator OU number
CD = 14th actuator OU number	ED = 30th actuator OU number
CE = 15th actuator OU number	EE = 31st actuator OU number
CF = 16th actuator OU number	EF = 32nd actuator OU number

Position 5 = Model Type

0 = Cannot determine
1 = Model 100
2 = Model 200
B = Model 400
D = Model 500
E = Model 700
F = Model 300

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
80 _{XX} x000	No error was detected by the diagnostic test programs	
81 _{XX} x0FC	This is a microcode problem. Call for support.	A3
81 _{XX} x0FE	Diagnostic test run option not set correctly. "Abort," "bypass error," or "stop on error" not set. Set "stop on error" and restart.	On-site service required.
81 _{XX} x100		B1 D1 D2 D3 A2
81 _{XX} x101		On-site service required.
81 _{XX} x102		P1
81 _{XX} x103		On-site service required.
81 _{XX} x104		B4 B2 I6 B5 B3 I5
81 _{XX} x106		M1 B4 B0 M1 B5 B0
81 _{XX} x107		M1 B4 M1 B5
81 _{XX} x108		B4 M1 B0 B5 M1 B0
81 _{XX} x109		P1
81 _{XX} x10A		P1
81 _{XX} x10B		M1 B4 B0 M1 B5 B0
81 _{XX} x10C		B4 B0 B5 B0

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81 _{XX} x10D		M1
81 _{XX} x10E		B4 B0 B5 B0
81 _{XX} x10F		P1 B4
81 _{XX} x110		M2
81 _{XX} x111		B4 I2 B5 I1
81 _{XX} x112		Z2 M1
81 _{XX} x113		B4 B1 D1 D2 D3 A2 B5 B1 D1 D2 D3 A2
81 _{XX} x114		B4 B0 B5 B0
81 _{XX} x115		P1 B4 B0 P1 B5 B0
81 _{XX} x116		B6 C6 B7 C7
81 _{XX} x117		P1 Z2 B1 B5
81 _{XX} x118		B1 D1 D2 D3
81 _{XX} x119		P4 P2 P1 B4 M1 B2 B1 P4 P2 P1 B5 M1 B3 B1
81 _{XX} x11A		M1 B4 B0 M1 B5 B0

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x11B		B4 M1 B0 B5 M1 B0
81xx x11C		B4 B0 B5 B0
81xx x11D		M1
81xx x11E		B4 B5
81xx x11F		M1 P1 B0
81xx x120		P1 B4
81xx x121		B4 B5
81xx x122		P1 M1 B4 P1 M1 B5
81xx x123		P1
81xx x124		P1 C3
81xx x125		M1 M2
81xx x126		M1
81xx x127		B4 B2 M1 B5 B3 M1
81xx x128		B2 B4 M1 B6 C6 B0 B3 B5 M1 B7 C7 B0
81xx x129		B8 C8 C3 B4 E1 B0 B9 C9 C3 B5 E1 B0

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x12A		B6 B4 B7 B5
81xx x12B		M1
81xx x12C		B1 B0
81xx x12D		M1 P2 P1 M2
81xx x12E		M1 P2 M2 E1
81xx x12F		B6 C6 B7 C7
81xx x130		B1
81xx x170		B4 B1 B5 B1
81xx x171	An open-circuit cable was detected	D1 D2 D3 B1 A2
81xx x172		B4 P1 B1 B5 P1 B1
81xx x173		B4 B5
81xx x174		B4 B5
81xx x175		B4 B1 B5 B1
81xx x176		B4 P1 B1 A2 B5 P1 B1 A2
81xx x177		B1 B4 B1 B5

9335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x178		B1 B4 A2 B1 B5 A2
81xx x179		B4 B6 B2 B1 B5 B7 B3 B1
81xx x17A		B2 B4 B0 B3 B5 B0
81xx x17B		B4 B2 P1 B6 B8 B5 B3 P1 B7 B9
81xx x17C		B2 B6 B3 B7
81xx x17D		B2 B6 B3 B7
81xx x17E		B1
81xx x180		B1 B4 B1 B5
81xx x181		B1 B4 B1 B5
81xx x182	The "device select" line is active on a device	B1 A2
81xx x183		A1
81xx x185		P4 P2 P1 B4 M1 B2 B1 P4 P2 P1 B5 M1 B3 B1

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81 _{XX} x186		B1 A2
81 _{XE} x1A0		A2 B1 D1 D2 D3 P4 P2 P1 B4 M1 B2 A2 B1 D1 D2 D3 P4 P2 P1 B5 M1 B3
81 _{XX} x1A1		A2
81 _{XX} x1A2		A2
81 _{XX} x200		B4 B1 P1 B5 B1 P1
81 _{XX} x201		B1 B4 B1 B5
81 _{XX} x203		B4 B0 B5 B0
81 _{XX} x204		B4 B1 A2 B5 B1 A2
81 _{XX} x205		B4 B1 B5 B1
81 _{XX} x206		B4 B2 B5 B3
81 _{XX} x207		B4 B2 B5 B3
81 _{XX} x208		B4 B5
81 _{XX} x209		B4 B2 B8 B5 B3 B9

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81XX x20A		B8 B9
81XX x20B		B4 B5
81XX x20C		B4 B5
81XX x20D		B4 B5
81XX x20E		B4 B2 B5 B3
81XX x20F		B4 B2 B5 B3
81XX x210		B2 E1 B6 B3 E1 B7
81XX x214		B4 B2 E1 B6 B5 B3 E1 B7
81XX x215		B4 B2 B5 B3
81XX x216		B2 E1 B6 B4 P1 B3 E1 B7 B5 P1
81XX x217		B2 B3
81XX x218		B6 B2 B4 B7 B3 B5

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81XX X219		B8 B4 C3 B9 B5 C3
81XX X21A		B4 B8 B5 B9
81XX X21B		B6 B8 B7 B9
81XX X21C		B4 B5
81XX X21D		B2 B0 B3 B0
81XX X21E		B2 B4 B1 B3 B5 B1
81XX X21F		B4 B5
81XX X220		E1
81XX X221		B4 B8 B5 B9
81XX X222		B4 B5
81XX X223		B2 B6 B4 B8 B3 B7 B5 B9
81XX X224		B4 B5
81XX X225		B4 B2 B5 B3

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x226		B4 B2 B6 B5 B3 B7
81xx x227		B4 P8 P1 B5 B9 P1
81xx x228		B4 B5
81xx x229		B4 P1 B0 B5 P1 B0
81xx x22A		B4 P1 B8 B5 P1 B9
81xx x22C		B1
81xx x22D		B4 B5
81xx x22E		B4 B5
81xx x22F		B1
81xx x230		B4 B8 B2 B5 B9 B3
81xx x231		B4 B6 B2 B8 B5 B7 B3 B9
81xx x232		B6 B1 A1 B2 B7 B1 A1 B3
81xx x233		E1 B6 E1 B7

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx \234		B1
81xx \235		B4 B2 B5 B3
81xx \236		B2 B4 B3 B5
81xx \237		B2 B6 B3 B7
81xx \238		B4 B6 E1 B5 B7 E1
81xx \239		B4 B5
81xx \23A		E6 B4 B2 B7 B5 B3
81xx \23B		B2 B4 B3 B5
81xx \23C		B4 B8 P1 B5 B9 P1
81xx \23D		B4 B2 B5 B3
81xx \23E		B4 B2 B8 B5 B3 B9
81xx \23F		B4 B8 P2 B5 B9 P2
81xx \240		B2 B6 B4 P2 B3 B7 B5 P2

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x241		B4 B2 B5 B3
81xx x242		B2 B1 B0 B3 B1 B0
81xx x243		B4 B2 B5 B3
81xx x244		B6 B2 B7 B3
81xx x245		B4 B8 B2 B5 B9 B3
81xx x246		B1 B2 B1 B3
81xx x247		B1 A2 A1
81xx x248		E1 B6 E1 B7
81xx x249		B6 B2 B7 B3
81xx x24A		B4 B1 A2 A1 B5 B1 A2 A1
81xx x24B		B8 B4 B9 B5
81xx x24C		B8 B6 B9 B7
81xx x24D		B2 B3

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x24E		E1 B6 E1 B7
81xx x24F		E1 B6 E1 B7
81xx x250		A2
81xx x251		B4 B5
81xx x252	The diagnostic programs have detected a response time-out. This may be caused by a recent external cable plugging.	B4 B1 B5 B1
81xx x253		A2 B1 D1 D2 D3
81xx x254		B4 B1 A2 B5 B1 A2
81xx x255		B4 B5
81xx x256		A2
81xx x257		B1 A2
81xx x300		B4 B6 B2 B5 B7 B3
81xx x301		E1 B4 B2 B6 E1 B5 B3 B7
81xx x302		E1 B4 B2 B6 E1 B5 B3 B7

9335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
81xx x303		E1 B6 E1 B7
81xx x304		E1 B4 B6 B2 E1 B5 B7 B3
81xx x305		B6 E1 B2 B7 E1 B3
81xx x306		E1 B4 B2 B6 E1 B5 B3 B7
81xx x307		E1 B4 B2 B6 E1 B5 B3 B7
81xx x308		B6 E1 B2 B7 E1 B3
81xx x309		E1 B4 B2 B6 E1 B5 B3 B7
81xx x30A		E1 B4 B2 B6 E1 B5 B3 B7
81xx x30B		B2 B4 B6 E1 B3 B5 B7 E1
81xx x30C		B2 B4 B6 E1 B3 B5 B7 E1
81xx x30D		B2 B6 B3 B7
81xx x30E		B2 B4 B6 E1 B3 B5 B7 E1

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3
		Result Codes and Probability %
F001 032F	Save restore adapter dynamic test	A099
F001 0332	IOC console data storage test	A199
F001 0338	Load SCA Ram1	Y145 S145 A105 B105
F001 033C	Load SCA Ram2	Y145 S145 A105 B103 E102
F001 0340	Load keyboard translate table	Y145 S145 A105 B105
F001 0342	Channel bus test	E135 A125 M110 M210 ZY06 Z206 ZX06 ZW02
F001 0344	CPU LSSD test	E185 B105 C105 J103 S102
F001 0348	CPU CS test - Models	T170 E120 H105 U103 K102
F001 0349	CPU CS test - Model 3 CS	T170 E120 H105 U103 K102
F001 034B	Chan Converter card diagnostics	E125 M125 M225 N105 Z205 ZX05 ZY05 H105
F001 0350	Initialize BSM scan rings	E185 B105 C105 J103 S102
F001 0351	Load CPU CS - Planar diagnostic	E180 B105 C105 J105 S103 Y102
F001 0352	Planar test	E160 T130 U105 A102 J101 Y101 S101

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3
		Result Codes and Probability %
F001 0354	Load CPU CS – VAT/MS test	E180 B105 C105 J104 S104 Y102
F001 0356	VAT MS test	B675 E120 H102 X102 K101
F001 0358	Load CPU CS – VAT Channel test	E180 B105 C105 J104 S104 Y102
F001 035C	Vat channel test	E135 A125 M110 M210 Z206 ZX06 ZY06 ZW02
F001 0360	Load main storage	B635 E130 Y115 T110 S110
F001 0368	Start VMC initialization	B640 T125 E125 X105 U105
F001 0410	Read sense cmd to 62PC	A125 B125 Y125 S115 D110
F001 0414	Recalibrate cmd to 62PC Device	Y145 S145 A105 B105
F001 0418	Index test to 62PC Device	Y145 S145 A105 B105
F001 041A	Reset cmd to 62PC Device	Y140 S135 A107 B107 E102 D102 C402 ZY02 M102 K101
F001 0420	Rd verify cmd to 62PC Device (TRK 359)	V145 S145 A105 B105
F001 0428	Mode cmd to 62PC attachment	Y190 A105 B105
F001 042A	SCA test	B140 C130 A120 D105, E105

SRC 1234 5678		Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001	042C	Load SCA directory from 62PC Device	Y145 S140 A105 B105 C105
F001	042D	IOC test	A150 B120 C120 L105 E105
F001	042E	Power up/check status of Feature	A140 B130 C130
F001	042F	Save/restore adapter dynamic test	A099
F001	0432	IOC console data storage test	A199
F001	0438	Load SCA Ram1	Y145 S145 A105 B105
F001	043C	Load SCA Ram2	Y145 S145 A105 B103 E102
F001	0440	Load keyboard translate table	Y145 S145 A105 B105
F001	0450	Initialize BSM scan rings	E185 B105 C105 J103 S102
F001	0451	Load CPU CS – Planar diagnostic	E180 B105 C105 J105 S103 Y102
F001	0452	Planar test	E160 T130 U105 A102 J101 Y101 S101
F001	0454	Load CPU CS – VAT/MS test	E180 B105 C105 J104 S104 Y102
F001	0456	VAT/MS test	B675 E120 H102 X102 K101
F001	0458	Load CPU CS – VAT/Channel test	E180 B105 C105 J104 S104 Y102

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001 045C	Vat/channel test	E135 A125 M110 M210 Z206 ZX06 ZY06 ZW02
F001 0460	Load main storage	B635 E130 Y115 T110 S110
F001 0468	Start VMC initialization	B640 T125 E125 X105 U105
F001 0501	Read sense cmd to 72MD	Y245 D145 A105 Y904 E101
F001 0502	Orient autoloader cmd	Y335 D125 Y420 Y215 Y905
F001 0504	Select SLVIA diskette	Y535 Y625 Y725 Y415
F001 0506	Recalibrate cmd to 72MD	D170 Y230
F001 0508	Reset 72MD	Y299
F001 050A	Read diskette volume label	Y935 Y220 H920 Y415 Y705 Y605
F001 050B	Wrong diskette, ejected diskette	Y990 Y810
F001 050C	Wrong diskette, eject diskette failure	Y980 Y815 Y505
F001 050E	Read SCA directory	Y960 Y215 Y415 H910
F001 052A	SCA test	B140 C130 A120 D105, E105
F001 052D	IOC test	A150 B120 C120 D105 E105

Machine Check SRC Table

SRC 1234 5678		Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001	052E	Power up/check status of Feature	A140 B130 C130
F001	052F	Save/restore adapter dynamic test	A099
F001	0532	IOC console data storage test	A199
F001	0538	Load SCA Ram1	A050 Y420 Y210 Y710 Y610
F001	053C	Load SCA Ram2	A050 Y420 Y210 Y710 Y610
F001	0540	Load keyboard translate table	A050 Y420 Y210 Y710 Y610
F001	0542	Channel bus test	E135 A125 M110 M210 ZY06 Z206 ZX06 ZW02
F001	0544	CPU LSSD test	E185 B105 C105 J103 Y902
F001	0548	CPU CS test	T170 E120 H105 U103 K102
F001	0549	CPU CS test – Model 3 CS	T170 E120 H105 U103 K102
F001	054B	Chan Converter card diagnostics	E125 M125 M225 N105 Z205 ZX05 ZY05 H105
F001	0550	Initialize BSM scan rings	E185 B105 C105 J103 Y902
F001	0551	Load CPU CS – Planar diagnostic	E180 B105 C105 J105 Y203 Y902

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3
		Result Codes and Probability %
F001 0552	Planar test	E160 T130 Y205 A103 J101 Y901
F001 0554	Load CPU CS – VAT/MS test	E180 B105 C105 J105 Y203 Y902
F001 0556	VAT/MS test	B675 E120 H102 X102 K101
F001 0558	Load CPU CS – VAT/Channel test	E180 B105 C105 J105 Y203 Y902
F001 055C	Vat 'channel test	E135 A125 M110 M210 Z206 ZX06 ZY06 ZW02
F001 0560	Load main storage	B635 E130 Y215 T110 Y910
F001 0568	Start VMC initialization	B640 T125 E125 X105 U105
F001 0601	Read sense cmd to 72MD	Y245 D145 A105 Y904 E101
F001 0602	Orient autoloader cmd	Y335 D125 Y420 Y215 Y905
F001 0604	Select SLV1A diskette	Y535 Y625 Y725 Y415
F001 0606	Recalibrate cmd to 72MD	D170 Y230
F001 0608	Reset 72MD	Y299
F001 060A	Read diskette volume label	Y935 Y220 H920 Y415 Y705 Y605

SRC 1234 5678		Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001	060B	Wrong diskette, ejected diskette	Y990 Y810
F001	060C	Wrong diskette, eject diskette failure	Y980 Y815 Y505
F001	060E	Read SCA directory	Y960 Y215 Y415 H910
F001	062A	SCA test	B140 C130 A120 D105, E105
F001	062D	IOC test	A150 B120 C120 D105 E105
F001	062E	Power up check status of Feature	A140 B130 C130
F001	062F	Save restore adapter dynamic test	A099
F001	0632	IOC console data storage test	A199
F001	0638	Load SCA Ram1	A050 Y420 Y210 Y710 Y610
F001	063C	Load SCA Ram2	A050 Y420 Y210 Y710 Y610
F001	0640	Load keyboard translate table	A050 Y420 Y210 Y710 Y610
F001	0650	Initialize BSM scan rings	E185 B105 C105 J103 Y902
F001	0651	Load CPU CS - Planar diagnostic	E180 B105 C105 J105 Y203 Y902
F001	0652	Planar test	E160 T130 Y205 A103 J101 Y901
F001	0654	Load CPU CS - VAT/MS test	E180 B105 C105 J105 Y203 Y902

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3
		Result Codes and Probability %
F001 0656	VAT/MS test	B675 E120 H102 X102 K101
F001 0658	Load CPU CS – VAT/Channel test	E180 B105 C105 J105 Y203 Y902
F001 065C	Vat/channel test	E135 A125 M110 M210 Z206 ZX06 ZY06 ZW02
F001 0660	Load main storage	B635 E130 Y215 T110 Y910
F001 0668	Start VMC initialization	B640 T125 E125 X105 U105
F001 0815	62PC Failure	S199
F001 0817	SCA not able to cause SRC	R199
F001 0818	SCA not able to cause SRC	R199
F001 0819	SCA not able to cause SRC	R199
F001 0828	SCA not able to cause SRC	R199
F001 0829	SCA not able to cause SRC	R199
F001 082A	SCA not able to cause SRC	R199
F001 082B	SCA not able to cause SRC	R199
F001 082C	SCA not able to cause SRC	R199
F001 0831	HMC Machine Check followed by a Hardware Detected Machine Check	N130 B630 Z630 E104 T102 M101 M201 Z201 X101

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3
		Result Codes and Probability %
F001 0834	9332/9335 Device Failure	Q599
F001 0835	9332/9335 Attachment Failure	Q140 Q240 ZY08 Q305 Q405 ZX02
F001 0836	9332/9335 Subsystem Failure	Q140 Q240 ZY08 Q305 Q405 ZX02
F001 0837	9332/9335 Subsystem startup failure	Q140 Q240 ZY08 Q305 Q405 ZX02
F001 0838	9332/9335 Device startup failure	Q699
F001 1901	Read sense cmd to 72MD	Y245 D145 A105 Y905
F001 1902	Orient autoloader cmd	Y335 D125 Y420 Y215 Y905
F001 1904	Select SLVIA diskette	Y535 Y625 Y725 Y415
F001 1906	Recalibrate cmd to 72MD	D170 Y230
F001 1908	Reset 72MD	Y299
F001 190A	Read diskette volume label	Y935 Y220 H920 Y415 Y705 Y605
F001 190B	Wrong diskette, ejected diskette	Y990 Y810
F001 190C	Wrong diskette, eject diskette failure	Y980 Y815 Y505
F001 190E	Read SCA directory	Y960 Y215 Y415 Y910
F001 190F	Change main store dump magazine	
F001 1928	Mode cmd to 62PC attachment	Y190 A105 B105
F001 192C	Load SCA directory from 62PC device	Y145 S145 A105 B105

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001 1938	Load SCA RAM 1	Y145 Z245 A105 B105
F001 1919	Dump main store error	Y235 Y935 B620 E110
F001 1FXX	Machine check	E160 T130 K107 H103
F001 xxxx	If your code cannot be found on this list then on-site service is required.	

Machine Check RC Table

Result Code	Definition	P/N
A0	On-site service is required	
A1	SCA/Console IOC Card (01AA1 B2)	4361306
B1	SCA/console card 1 (01AA1 C2)	4202410
B6	One or more main storage cards (01AB1 G2, H2, J2, K2, L2, M2, N2, P2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
C1	SCA/console card 2 (01AA1 D2)	4223707 4223808 (Katakana)
C4	One or more IOC cards	4361306
D1	Mag mem clock card (01AA1 J2)	2771064
E1	Planar (01A1 L2)	8328300 (Mod 3, 4, 5) 4361076 (Mod 1-2, 6-8) 6370231 (Mod 9, A-F)
F1	Pwr controller card (01BA1 D2)	4176537
H1	Interposer (01APL)	2549343 (power) 2549344 (signal)
H9	72MD head carriage assembly	2462650
J1	SCA/CPU cable (01AA1 Z1 to 01AB1 W3)	2549851

Machine Check RC Table

Result Code	Definition	P/N
K1	Array board (01AB1)	2550894 (Mod 3-5) 8328320 (Mod 1-2, 6-8) 2445854 (Mod A-F) 6203380 (Mod 9)
M1	Channel converter card (01AB1 F2)	4202240 (Mod 1-8) 2445900 (Mod 9, A-F)
M2	Channel converter card (01AB1 E2)	4202240 (Mod 1-8) 2445902 (Mod 9, A-F)
N1	Any I/O adapter on-site service is required	
Q1	9332/9335 IOP	6370282
Q2	9332 9335 IOA	6370240
Q3	9332/9335 IOP cable, see C1 result code at C17 on Card 3	
Q4	9332/9335 interface cable, see C2 result code at C17 on Card 3	
Q5	9332 or 9335 device	
Q6	9332 or 9335 device is not powered on or enable/disable switch is in disable position during startup	
R1	3370 device problem, on-site service is required	
S1	62PC device problem, on-site service is required	
T1	One or more control storage cards (01AB1 S2, T2, U2, V2, R2)	5122494 (Mod 3) 6229416 (Mod 1-2, 4-9, A-F) 8691997 (Mod A-E)
U1	CS terminator card (01AB1 R2, R4)	8328248 (Mod 1-2, 6-8) 2549056 (Mod 3-5, 9)

Machine Check RC Table

Result Code	Definition	P/N
X1	MS terminator cards (01AB1Q2, Q4)	5122482
Y1	62PC adapter (01AA1 G2)	2771438
Y2	72MD adapter (01AA1 H2)	4360810
Y3	72MD cover open switch	2550696
Y4	72MD control card	5563731 (old style) 5563735 (new style)
Y5	72MD picker assembly	2462682 (old style) 2462616 (new style)
Y6	72MD index LED assembly	2462573
Y7	72MD index PTX assembly	2462600
Y8	72MD bed drive belt	2462494
Y9	72MD on-site service required	
Z2	Channel terminator card	
Z6	Software in HMC or VMC could cause error	
ZX	Board problem	
ZY	Channel cable problem	
ZW	Adapter problem	

SCA SRC Table

SCA SRC Table

Use positions **5, 6, 7, 8** of the SRC to find the Result Code.
Use the Result Code and Probability to determine the action or parts required.

SRC		Definition	For result code definitions, see C13 Card 3
1234	5678		
F002 XXXX		SCA error	Result Codes and Probability %
			A133 A232 A332 A403

SCA Result Table

Result Code	Definition	P/N
A1	IOC1 (01AA1 B2)	4361306
A2	SCA console card 1 (01AA1 C2)	4202410
A3	SCA console card 2 (01AA1 D2)	4223707 or 4223708
A4	On-site service required	

9332/9335 Attachment SRC Table

Use position **2, 6, 7, 8** of the SRC to find the Attachment Result Code.

Use the Result Code and Probability in the table below to determine the service action or parts required.

Position 3, 4 = Actuator Number

00 = Cannot Determine OU
 96 = Strings 1 & 2 IOP OU number
 C0 = 1st actuator OU number
 C1 = 2nd actuator OU number
 C2 = 3rd actuator OU number
 C3 = 4th actuator OU number
 C4 = 5th actuator OU number
 C5 = 6th actuator OU number
 C6 = 7th actuator OU number
 C7 = 8th actuator OU number
 C8 = 9th actuator OU number
 C9 = 10th actuator OU number
 CA = 11th actuator OU number
 CB = 12th actuator OU number
 CC = 13th actuator OU number
 CD = 14th actuator OU number
 CE = 15th actuator OU number
 CF = 16th actuator OU number

97 = Strings 3 & 4 IOP OU number
 E0 = 17th actuator OU number
 E1 = 18th actuator OU number
 E2 = 19th actuator OU number
 E3 = 20th actuator OU number
 E4 = 21st actuator OU number
 E5 = 22nd actuator OU number
 E6 = 23rd actuator OU number
 E7 = 24th actuator OU number
 E8 = 25th actuator OU number
 E9 = 26th actuator OU number
 EA = 27th actuator OU number
 EB = 28th actuator OU number
 EC = 29th actuator OU number
 ED = 30th actuator OU number
 EE = 31st actuator OU number
 EF = 32nd actuator OU number

Position 5 = Model Type

0 = Cannot determine
 1 = Model 100
 2 = Model 200
 B = Model 400
 D = Model 600
 E = Model 700
 F = Model 300

Attachment SRC 1234 5678	Definition	For result code definitions, see E1 and D2 Card 3 Result Code and Probability %
70xx x0FF	Invalid unit reference code – run subsystem GMP. OU number could be 00.	On-site service required
70xx x999	Invalid BSTAT	A197 A201 B101
71xx x001	Channel DMA address error	A197 A201 B101
71xx x002	Channel RAM address error	A197 A201 B101
71xx x003	Bus error on channel DMA	A197 A201 B101
71xx x004	Multiple RAM and DMA address errors	A197 A201 B101
71xx x005	Invalid sequence error	A197 A201 B101
71xx x006	Invalid wakeup sequence	A263 A125 M210 B101
71xx x008	Bypassable IOP self test failure	A197 B101 M101
71xx x009	Diagnostic RAM self test failure	A197 B101 M101
71xx x00A	Invalid IOA channel parm	A260 A119 M210
71xx x00B	DASD sequence error	A160 M239
71xx x00C	Channel disconnect limit exceeded	A250 A130 B110 C306 M102 M201
71xx x101	Invalid OU	M189 M210
71xx x102	Invalid command	M189 M210
71xx x103	Invalid write memory address or length	M189 M210
71xx x104	Invalid read memory address or length	M189 M210
71xx x105	Invalid RAM size required field in start-up FOB	M189 M210

9332/9335 Attachment SRC Table

Attachment SRC 1234 5678	Definition	For result code definitions, see D1 and D2 Card 3 Result Code and Probability %
71 _{XX} x110	Invalid page offset	M189 M210
71 _{XX} x187	Start device OU not equal to FOB byte 8	M189 M210
71 _{XX} x1A1	Multiple load OU info received	M189 M210
71 _{XX} x1A2	Invalid IOA number	M189 M210
71 _{XX} x1A3	Multiple load IOA info received	M189 M210
71 _{XX} x1A4	Invalid device type	M189 M210
71 _{XX} x1A5	Invalid command I/O RAR specified	M189 M210
71 _{XX} x1A6	Invalid OU range	M189 M307 M203
72 _{XX} x001	IOA reset – op cancelled	A297 A101 B101
72 _{XX} x002	IOP/IOA parity error	A250 A148 B101
72 _{XX} x003	Interface status error	A294 C202 I102 B101
72 _{XX} x004	IOA timeout error	A295 I103 B101
72 _{XX} x005	Slave transfer status error	A290 C204 I104 B101
72 _{XX} x006	IOA general status error	A290 C205 A103 B101
73 _{XX} x001	Interface completion error	I197 A201 C201
73 _{XX} x002	DASD error – controller/device	I190 A209
73 _{XX} x003	Device powered off or disabled	I190 A209
73 _{XX} x004	Device status available	I197 A201 C201
79 _{XX} x08C	FOB timeout	A140 A240 C308 C105 C202 M202 M102
79 _{XX} x103	Post event bus timeout error	A174 A224 B101

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
49XX x008	Control bus in parity error.	P160 P340
49XX x00A	The wrong device (drive) was selected.	P740 J525 J220 J115
49XX x00B	Busy was missing after seek start operation was issued.	J545 J330 J125
49XX x00C	A no block found condition occurred.	J235 J125 P117 P513 P310
49XX x00D	An HDA attention occurred during device (drive) reconnection for a disconnected command chain.	P345 J330 J125
49XX x00E	A pre-selection control interface bus check occurred.	P360 L140
49XX x00F	An unresettable interrupt occurred.	J235 J320 J515 J712 P710 J408
49XX x011	Unexpected busy from device.	J435 J520 J615 J312 J210 J708
49XX x11F	A microcontroller non-recoverable, check occurred.	P535 P220 P115 P312 J110 P808
49XX x200	Possible failure of CTLI Line S.	P399
49XX x201	A prom storage check occurred.	P260 P540
49XX x202	Possible failure of CTLI Line S.	P399
49XX x203	Possible failure of CTLI Line S.	P399
49XX x204	A microcontroller check 2 occurred.	P545 P230 P125
49XX x205	A microcontroller check 2 occurred.	P545 P230 P125
49XX x206	Possible failure of CTLI Line S.	P399

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
49 _{XX} x207	Possible failure of CTLI Line S.	P399
49 _{XX} x208	A microcontroller check 1 occurred.	P535 P220 P115 P312 J110 P808
49 _{XX} x209	A microcontroller check 1 occurred.	P535 P220 P115 P312 J110 P808
49 _{XX} x20A	Possible failure of CTLI lines.	P399
49 _{XX} x20B	Possible failure of CTLI lines.	P399
49 _{XX} x20C	A microcontroller check 2 occurred.	P535 P220 P115 P312 J110 P808
49 _{XX} x20D	A microcontroller check 2 occurred.	P535 P220 P115 P312 J110 P808
49 _{XX} x20E thru x2FF	Possible failure of CTLI lines.	P399
49 _{XX} x300 thru x3FF	A CTLI parity check occurred.	P399
49 _{XX} x401 thru x407	Device interface cable check (MD bus in parity check) occurred.	P160 P540
49 _{XX} x408 thru x40F	A device bus in parity check occurred.	J360 J140

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
49 _{XX} x502	A transfer check (program error) occurred on interface A.	P345 P130 P525
49 _{XX} x506	A transfer check (program error) occurred on interface B.	P145 P530 P325
49 _{XX} x600 thru x6FF	A parity check occurred.	P140 P525 J120 P315
49 _{XX} x740 thru x77F	A counter data parity check occurred.	J140 P125 J420 P715
49 _{XX} x700 thru x7FF	A SERDES error or data check occurred.	P135 P825 P517 J113 P310
49 _{XX} x800 thru x8FF	A device selection error occurred.	P745 J130 J325
49 _{XX} x901	A branch to an unused storage location counter.	P560 P240
49 _{XX} x902	Micro-controller detected error occurred.	P745 J330 J125
49 _{XX} x910	An execute instruction was returned to the program counter + 1 on trap 2.	P560 P240
49 _{XX} x911	Trap 6 was entered, but no errors were found.	P535 P220 P115 P812 J110 P308
49 _{XX} x912	An execute instruction returned to program control + 1 on trap 3.	P560 P240

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
49xx x913	An execute instruction returned to program control +1 on trap 4.	P560 P240
49xx x914	An unexpected counter trap occurred.	J140 P125 P820 P515
49xx x916	Tag execution took too long, microcode hang condition occurred.	P560 P240
49xx x918	Sync out timing error occurred while not in data transfer mode.	P145 P330 P825
49xx x919	An execute instruction was returned to the program	P560 P240
49xx x920	An execute instruction failed on select device tag processing.	P560 P240
49xx x921	The register immediate command failed in the ECC routine.	P545 P230 P825
49xx x924	Device response was active with all the select lines not active.	P745 J330 J125
49xx x928	Two select device tags occurred with no de-selection.	P345 P530 L125
49xx x932	The device did not return tag valid to set read/write tag.	P240 J225 J620 J115
49xx x933	Tag valid dropped during a read/write operation.	P645 P730 J325
49xx x934	The device counter failed during execution of transmit ID tag.	J140 P125 P820 P515
49xx x936	Transmit ID timed out while waiting for sync out.	P345 P130 J125
49xx x937	Did not get sync out timing error for second sync in or out pair during calculation of sync in lead time.	P145 P330 J125
49xx x938	A second sync out was returned during either bit ring 0 or 7.	P145 P330 J125

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
49XX x942	A read tag was received, but it was not a read ID or a read ID buffer.	P345 P530 L125
49XX x946	The data check indicator was not reset after executing an ECC preset.	P840 J125 P120 P315
49XX x947	The data check indicator was not set after an ECC read transfer.	P840 J125 P120 P315
49XX x94A	The tag gate did not drop soon enough to allow the data field transfer to begin.	P399
49XX x950	The first read or write tag was not preceded by transmit ID or by clock ID.	P345 P530 L125
49XX x952	The next read or write tag was not preceded by transmit ID or by clock ID.	P345 P530 L125
49XX x95B	Sync in selection was not calculated for write data.	P145 P330 P825
49XX x95C	Sync in lead time was not calculated for write data.	P145 P330 P825
49XX x95D	Sync in lead time was not calculated for oriented transmit ID.	P145 P330 P825
49XX x962	The ECC signaled data checks, but all nine bytes were zero.	P840 J125 P120 P315
49XX x972	A write ID was entered before executing prerequisite functions.	P345 P530 L125
49XX x974	A write ID was entered before executing a valid verify ID.	P345 P530 L125
49XX x975	A tag overrun occurred on write ID operation.	P345 P530 L125
49XX x980	A set level command did not change the program counter.	J145 P530 P225

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
49xx x982	No sync out latched were set after a sync out was detected in a transmit ID operation.	P145 P320 P825
49xx x983	Hardware model sense bits do not agree.	Y1
49xx x984	Data integrity interlock indicates down level storage control diskette.	Z3
49xx x998	Operation error.	Z499
49xx x999	Operation program error.	Z499
49xx x9F4	The ECC indicated a miscompare, but the displacement was zero.	P840 J125 P120 P315
49xx x9F5	An ID compare on a move ID operation was detected.	P340 P125 P520 L115
49xx x9F6	Invalid code.	P140 P525 P330 P815
49xx x9F7	Invalid code.	P140 P525 P330 P815
49xx x9F8	Invalid code.	L145 P330 P525
49xx x9FE	Invalid code.	J240 P225 J620 J315
49xx xA00	Any other controller check.	P340 J225 J420 J515
49xx xA01	Any other controller check.	P340 J225 J420 J515
49xx xA02	Any other controller check.	P340 J225 J420 J515
49xx xA03	Any other controller check.	P340 J225 J420 J515
49xx xA04	A CTLI register check has occurred.	P560 P340
49xx xA05	A control interface register check has occurred.	P335 P125 J117 P813 P510

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
49 _{XX} xA06 thru xAFF	Any other controller check.	P340 J225 J420 J515
49 _{XX} xF00 thru xFF	A false controller error occurred.	P335 P125 J117 P813 P510
4A _{XX} x000	Cannot determine error but OU is displayed.	F399
4A _{XX} x001	Controller select failed.	L130 K220 P515 P112 P310 J108 P805
4A _{XX} x003	Immediate commands failed.	L160 C230 A310
4A _{XX} x004	Reset failed.	L199
4A _{XX} x005	Cannot complete start clocks.	L150 A140 C210
4A _{XX} x009	3370 model type does not match MCR.	F399
4A _{XX} x00B	Cannot load LSSD pattern.	L145 A130 C225
4A _{XX} x00C	Write/read compare error.	L199
F000 3EC0	3370 R/W switch appears to be in read only mode (string 1).	F399
F000 3EC1	3370 tag timeout (string 1). 3370 appears powered off.	F399
F000 3ED0	3370 R/W switch appears to be in read only mode (string 2).	F399
F000 3ED1	3370 tag timeout (string 2). 3370 appears powered off.	F399
F000 xxxx	If your code cannot be found on this list, then on-site service is required.	

3370 RC Table

Result Code	Definition	P/N
A1	SCA/console IOC card (01AA1 B2)	4361306
A3	SCA/console card 2 (01AA1 D2)	4223707 4223708 (Katakana)
B1	Planar (01APL)	8328300 (Mod 3-5) 4361076 (Mod 1-2, 6-8) 6370231 (Mod 9, A-F)
B2	One or more control store cards (01AB1 S2, T2, U2, V2, R2)	5122494 (Mod 3) 6229416 (Mod 1-2, 4-9, A-D, F) 8691997 (Mod A-D)
B6	One or more mainstore cards (01AB1 G2, H2, J2, K2, L2, M2, N2, P2)	4599188 (Mod 3-4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
C2	Clock card (System/38) (01AA1 J2 for OU C0-C7) (01AA1 N2 for OU C8-CF)	2771064 2550550 old style 2771064
F2	VMC microcode	
F3	Cannot determine FRUs.	On-site service required.
J1	FCI card 3370 K2 card in controller gate 01AA1	Variable

Result Code	Definition	P/N
J2	HARCAR 3370 C2 card in drive gate OXCA1 (note 1)	Variable
J3	R/W CTL 3370 B2 card in drive gate OXCA1 (note 1)	Variable
J4	Diff 3370 D2 card in drive gate OXCA1 (note 1)	Variable
J5	Access 3370 E2 card in drive gate OXCA1 (note 1)	Variable
J6	Servo clock 3370 H4 card in drive gate OXCA1 (note 1)	Variable
J7	Servo analog 3370 card in drive gate OXCA1 (note 2)	Variable
J8	CE mode seq card 3370 pwr seq card in OX frame (note 1)	Variable
J9	Power sense (drive gate OXCA1) (note 1, H2)	Variable
K2	3370 power is off	
L1	System 38 adapter (01AA1 K2 for OU C0-C7) (01AA1 M2 for OU C8-CF)	2444872 2444872
P1	SERDES 3370 H2 card in controller gate 01AA1	Variable
P2	Sector 3370 F2 card in drive gate OXCA1 (note 1)	Variable
P3	CTL1 3370 E2 card in controller gate 01AA1	Variable
P5	Process 3370 G2 card in controller gate 01AA1	Variable
P6	Read 3370 K4 card in drive gate OXCA1 (note 1)	Variable
P7	Select 3370 K2 card in drive gate OXCA1 (note 1)	Variable

3370 RC Table

Result Code	Definition	P/N
P8	ECC 3370 J2 card in controller gate 01AA1	Variable
P9	Power amplifier P160 (3370-note 1)	
Y1	Solid fault condition in 3370 controller or drive logic	
Y2	Solid fault condition in 3370 drive logic (0X1CA1) or HDA	
Z2	String switch feature invalid code for this system	
Z3	Program error	
Z4	3370 adapter or in 3370 controller logic problem. An I/O adapter could be holding a channel a bit active.	

Notes:

1. The location of the 3370 drive boards depend on the OU number associated with the FSC.

OU#	Frame/Gate/Board (String 1)	OU#	Frame/Gate/Board (String 2)
C0	01CA1	C8	01CA1
C1	01CA1	C9	01CA1
C2	02CA1	CA	02CA1
C3	02CA1	CB	02CA1
C4	03CA1	CC	03CA1
C5	03CA1	CD	03CA1
C6	04CA1	CE	04CA1
C7	04CA1	CF	04CA1

2. The location of the board/card location depend on the OU#.

OU#	Location (String 1)	OU#	Location (String 2)
C0	01CA1-J2	C8	01CA1-J2
C1	01CA1-G2	C9	01CA1-G2
C2	02CA1-J2	CA	02CA1-J2
C3	02CA1-G2	CB	02CA1-G2
C4	03CA1-J2	CC	03CA1-J2
C5	03CA1-G2	CD	03CA1-G2
C6	04CA1-J2	CE	04CA1-J2
C7	04CA1-G2	CF	04CA1-G2

I/O Power SRC Table

I/O Power SRC Table

Use position **6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

Position 5 = Model Type

0	Cannot determine
1	Model 100
2	Model 200
3	Model 3
4	Model 4
5	Model 5
6	Model 6
7	Model 7
8	Model 8
9	Model 18
A	Model 20
B	Model 400
C	Model 40
D	Model 600
E	Model 700
F	Model 300

SRC 1234 5678		Definition	For result code definitions, see B11 Card 3 Result Codes and Probability %
6000	X012	3262/5211 No. 2 power failure.	K760 A320 A220
6000	X013	3262/5211 No. 1 power failure.	K860 A320 A220
6000	X015	5424 power failure.	K960 A320 A220
6000	X018	3410 power failure.	L260 A320 A220
6000	X01F	SCA/Device interface bus failing.	F360, A320, A220
6000	X040	System power down failed due to failure in SCA to power controller interface.	K160 K225 A310 A205
6000	X0FF	No power error detected by SCA.	Z199

I/O Power RC Table

Result Code	Definition	P/N
A2	SCA console card 1 (01AA1 C2)	4202410
A3	SCA console card 2 (01AA1 D2)	4223707 4223708 (Katakana)
F3	Any I/O adapter	
K1	Power controller card at 01BA1 D2	4176537
K2	Power sense/store card at 01BA1 C2	4176447
K7	3262/5211 No. 2 at 01AB2 M2	4202259
K8	3262/5211 No. 1 at 01AA1 P2	2771576
K9	5424 adapter card at 01AB2 D2	8328070
L2	3410 adapter card at 01AB2 N2	4364098
Z1	On-site service is required	

Console Status Indicators SRC Table

Use positions **4** of the SRC to find the proper microfiche card and frame.

SRC 1234 5678	Row/Frame/Card	Condition
F000 3Exx	A7 Card 3 ¹	3370
F000 xxxx	On-site service is required.	CPU Halt
F001 xxxx	B13 Card 3 ¹	Machine Check
F002 xxxx	C13 Card 3	SCA
F003 xxxx	B13/C13 Card 3 ¹	SCA/Machine Check <i>Note: F003 (SCA/machine check) is handled as a F001 (machine check)</i>
F004 xxxx	On-site service is required.	Thermal
F008 xxxx	On-site service is required.	Power
F00C xxxx	On-site service is required.	Power/Thermal
¹ If your code cannot be found on this list then on-site service is required		

Machine Check SRC Table

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

Position 6 – IMPL Mode

- 2 = IMPL
- 3 = Auto IMPL
- 4 = IMPL Abbr
- 5 = Alternate IMPL
- 6 = Alternate IMPL Abbr

SRC 1234 5678		Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001	0000	IOC data store test (SCA portion)	A160 B120 C120
F001	0100	IOC test	A150 B120 C120 E105 D104 A001
F001	0104	SCA test	B140 C130 A120 D105 E105
F001	0108	LED test	B150 C125 F125
F001	010C	Power controller test	B150 C125 F125
F001	0110	SCA/CPU interface test	E150 C140 A108 H101 J101
F001	0114	Magnetic media test (72MD)	D150 Y230 B110 A105 C105
F001	0118	Magnetic media test (62PC)	Y170 D110 A110 B105 C105

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001 011C	I/O bus test	A130 E130 N130 C105 M105
F001 0210	Read sense cmd to 62PC	A125 B125 Y125 S115 D110
F001 0214	Recalibrate cmd to 62PC Device	Y145 S145 A105 B105
F001 0218	Index test to 62PC Device	Y145 S145 A105 B105
F001 021A	Reset cmd to 62PC Device	Y140 S135 A107 B107 E102 D102 C402 ZY02 M102 K101
F001 0220	Rd verify cmd to 62PC Device (TRK 359)	Y145 S145 A105 B105
F001 0228	Mode cmd to 62PC attachment	Y190 A105 E105
F001 022A	SCA test	B140 C130 A120 D105, E105
F001 022C	Load SCA directory from 62PC Device	Y145 S140 A105 B105 C105
F001 022D	IOC test	A150 B120 C120 D105 E105
F001 022E	Power up/check status of Feature	A140 B130 C130
F001 022F	Save/restore adapter dynamic test	A099
F001 0232	IOC console data storage test	A199
F001 0238	Load SCA RAM1	Y145 S145 A105 B105
F001 023C	Load SCA RAM2	Y145 S145 A105 B103 E102

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3 Result Codes and Probability %
F001 0240	Load keyboard translate table	Y145 S145 A105 B105
F001 0242	Channel bus test	E135 A125 M110 M1210 ZY06 Z206 ZX06 ZW02
F001 0244	CPU LSSD test	E185 B105 C105 J103 S102
F001 0248	CPU CS test -- Models	T170 E120 H105 U103 K102
F001 0249	CPU CS test -- Model 3 CS	T170 E120 H105 U103 K102
F001 024B	Chan Converter card diagnostics	E125 M125 M225 N105 Z205 ZX05 ZY05 H105
F001 0250	Initialize BSM scan rings	E185 B105 C105 J103 S102
F001 0251	Load CPU CS -- planar diagnostic	E180 B105 C105 J104 S104 Y102
F001 0252	Planar test	E155 T130 U105 A103 J103 Y102 S102
F001 0254	Load CPU CS -- VAT/MS test	E180 B105 C105 J103 S103 Y102
F001 0256	VAT, MS test	B675 E120 H102 X102 K101
F001 0258	Load CPU CS -- VAT/channel test	E180 B105 C105 J105 S103 Y102

Machine Check SRC Table

SRC 1234 5678	Definition	For result code definitions, see C9 thru C11 Card 3
		Result Codes and Probability %
F001 025C	Vat channel test	E135 A125 M110 M210 Z206 ZX06 ZY06 ZW02
F001 0260	Load main storage	B635 E130 Y115 T110 S110
F001 0268	Start VMC initialization	B640 T125 E125 X105 U105
F001 0310	Read sense cmd to 62PC	A125 B125 Y125 S115 D110
F001 0314	Recalibrate cmd to 62PC Device	Y145 S145 A105 B105
F001 0318	Index test to 62PC Device	Y145 S145 A105 B105
F001 031A	Reset cmd to 62PC Device	Y140 S135 A107 B107 E102 D102 C402 ZY02 M102 K101
F001 0320	Rd verify cmd to 62PC Device (TRK 359)	Y145 S145 A105 B105
F001 0328	Mode cmd to 62PC attachment	Y190 A105 B105
F001 032A	SCA test	B140 C130 A120 D105, E105
F001 032C	Load SCA directory from 62PC Device	Y145 S140 A105 B105 C105
F001 032D	IOC test	A150 B120 C120 D105 E105
F001 032E	Power up/check status of Feature ^	A140 B130 C130

Result Code	Definition	P/N
ZY	Channel Cable	
ZZ	Channel cable on second channel. See MAP Ref 019-070 through 019-090 for locations by configuration.	

62PC SRC Table

62PC SRC Table

Use position **5, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

Position 2 = Adapter Number

- 0 = Cannot determine failing 62PC number
- 1 = 62PC-1 (Adapter 1 in slot 01AA1 G2)
- 2 = 62PC-2 (Adapter 1 in slot 01AA1 G2)
- 3 = 62PC-3 (Adapter 1 in slot 01AA1 G2)
- 4 = 62PC-4 (Adapter 1 in slot 01AA1 G2)
- 5 = 62PC-5 (Adapter 2 in slot 01AA1 F2)
- 6 = 62PC-6 (Adapter 2 in slot 01AA1 F2)

Position 3, 4 = Device OU Number

- 11 = 1st device OU number
- 51 = 2nd device OU number
- 91 = 3rd device OU number
- D1 = 4th device OU number
- 10 = 5th device OU number
- 50 = 6th device OU number

Position 5 = Model Type

- 0 = Cannot determine
- 1 = Model 100
- 2 = Model 200
- 3 = Model 3
- 4 = Model 4
- 5 = Model 5
- 6 = Model 6
- 7 = Model 7
- 8 = Model 8
- 9 = Model 18
- A = Model 20
- B = Model 400
- C = Model 40
- D = Model 600
- E = Model 700
- F = Model 300

SRC 1234 5678		Definition	For result code definitions, see A5 and A6 Card 3 Result Codes and Probability %
3XXX	x004	FOB time out error	C180 D110 D310
3XXX	x006	Program error	C580 C120
3XXX	x007	Channel overrun error	Z899
3XXX	x008	Device error	H160 C140
3XXX	x00A	Device error	H299
3XXX	x00C	Device error	H199
3XXX	x010	Adapter error	C175 C210 ZV04 D105 B105 Z701
3XXX	x012	Device error	H438 H536 H610 H209 H107
3XXX	x014	Device error	H434 H229 H121 H516
3XXX	x01C	Device error	H159 H241
3XXX	x01E	Device error	H150 H235 C115
3XXX	x022	Device error	H471 H229
3XXX	x028	Device error	H449 H130 H221
3XXX	x02C	Device error	H445 H138 H217
3XXX	x034	Device error	H181 H219
3XXX	x036	Device error	H174 H226
3XXX	x038	Device error	H184 H216
3XXX	x03E	Device error	H757 H619 H409 H206 H104 H802 H502 H902 H301

SRC 1234 5678		Definition	For result code definitions, see A5 and A6 Card 3 Result Codes and Probability %
3XXX	x040	Device error	H499
3XXX	x042	Device error	H454 H241 H505
3XXX	x044	Device error	H480 H812 H208
3XXX	x048	Device error	H427 H823
3XXX	x050	Device error	H445 H231 H507 H106 H805 H605 C101
3XXX	x052	Device error	H550 H220 H110 H410 H910
3XXX	x054	Device error	H253 H137 H410
3XXX	x056	Device error	H663 H427 H108 H302
3XXX	x058	Device error	H399
3XXX	x05A	Device error	H856 H230 H412 H302
3XXX	x05E	Device error	H245 H422 H819 H608 H103 H902 H501 H301
3XXX	x064	Device error	H164 H229 C110
3XXX	x066	Device error	H999
3XXX	x068	Device error	H150 H250
3XXX	x06A	Device error	H165 H415 H215 H907

SRC 1234 5678		Definition	For result code definitions, see A5 and A6 Card 3 Result Codes and Probability %
3XXX	x06E	Device error	H454 H215 H512 H810 H105 H904
3XXX	x074	Device error	H140 H932 H228
3XXX	x076	Device error	H136 H429 H218 H813 H504
3XXX	x07A	Device error	H436 H220 H815 H112 H509 H608
3XXX	x07C	Device error	H154 H237 C110
3XXX	x07E	Device error	H250 H125 H825
3XXX	x080	Device error	H845 H241 H114
3XXX	x08A	Device error	H470 H230
3XXX	x090	Device error	H452 H136 H212
3XXX	x094	Device error	H664 C114 H913 H108
3XXX	x09A	Device error	H150 H225 H425
3XXX	x0A0	Device error	H650 H925 H110 C110 H205
3XXX	x0A2	Device error	H683 H917
3XXX	x0A4	Device error	H599
3XXX	x0A6	Device error	H665 H913 H212 H506 C102 H302
3XXX	x0A8	Device error	H260 H130 C110
3XXX	x0AA	Device error	H673 H912 H105 H205 C105

62PC SRC Table

SRC 1234 5678		Definition	For result code definitions, see A5 and A6 Card 3 Result Codes and Probability %
3xxx	x0AE	Device error	H920 H120 H220 H520 H420
3xxx	x0B0	Device error	H920 H120 H220 H520 H420
3xxx	x0B2	Device error	H920 H120 H220 H520 H420
3xxx	x0B4	Device error	H462 H138
3xxx	x0B6	Device error	H172 H928
3xxx	x0BE	Device error	H617 Z915 H915 H115 H415 C112 H208 H504 H301
3xxx	x0C4	Device error	H462 H138
3xxx	x0D0	Device error	H950 C150
3xxx	x0D2	Device error	H945 C145 H110
3xxx	x0D4	Device error	H250 H450
3xxx	x0DE	Device error	H532 H424 H623 H210 H905 H103 H803
3xxx	x0E2	Device error	H125 H225 H525 H425
3xxx	x0EE	SCA MCLB analysis failed due to read CPU failure	B135 B630 B225 A110
3xxx	x0FF	No machine check log buffer data to analyze	Z799

62PC RC Table

Result Code	Definition	P/N
A1	SCA/console IOC card (01AA1 B2)	4361306
B1	Planar (01APL)	8328300 (Mod 3-5) 4361076 (Mod 1-2, 6-8) 6370231 (Mod 9, A-F)
B2	One or more control store cards (01AB1 S2, T2, U2, V2, R2)	5122494 (Mod 3) 6229416 (Mod 1-2, 4-9, A-F) 8691997 (Mod A-F)
B6	One or more main store cards (01AB1 G2, H2, J2, K2, L2, M2, N2, P2)	4599188 (Mod 3, 4) 7378022 (Mod 5 Type A) 5658718 (Mod 5 Type B) 5120271 (Mod 7) 4772607 (Mod 1-2, 6, 8-9, A-B, F) 2444962 (Mod C-D) 65X5750 (Mod E)
C1	62PC adapter #1 (A33-040) (01AA1 G2, F2)	2771438
C2	Clock card (01AA1 J2)	2771064 2550550 old style
C5	Program errors	
C6	62PC device cables A1A3/A4 (A33-080), A1A5 (A33-090)	
D1	Channel converter card (01AB1 F2)	2549055 (Mod 1-8) 2445900 (Mod 9, A-F)
D3	Channel converter card (01AB1 E2)	4202240 (Mod 1-8) 2445902 (Mod 9, A-F)

62PC RC Table

Result Code	Definition	P/N
H1	62PC device card A1C2 (B16-500)	5147210
H2	62PC device card A1D2 (B16-500)	5147537
H3	62PC device system power supplies (A33-050)	
H4	62PC device card A1F2 (B16-500)	8230323
H5	62PC device card A1E2 (B16-500)	8230315
H6	62PC device disk enclosure (B16-320)	5563756
H7	62PC device disk drive mechanism (A33-020)	
H8	62PC device coil driver card (B16-520)	5145307
H9	62PC device card A1B2 (B16-500)	8230324
Z7	On site service is required.	
Z8	Channel overrun error, see (B16-030).	
Z9	Possible data related error. Use hardcopy MAP 3390 and pack utility maintenance to analyze the data format on 62PC.	
ZV	Channel cable on first channel. See MAP Ref 019-010 through 019-040 for location by configuration.	

3370 SRC Table

Use position **2, 6, 7, 8** of the SRC to find the Result Code.

Use the Result Code and Probability to determine the action or parts required.

Position 3, 4 = Actuator Number

Position 5 = Model Type

C0 = 1st actuator OU number
 C1 = 2nd actuator OU number
 C2 = 3rd actuator OU number
 C3 = 4th actuator OU number
 C4 = 5th actuator OU number
 C5 = 6th actuator OU number
 C6 = 7th actuator OU number
 C7 = 8th actuator OU number
 C8 = 9th actuator OU number
 C9 = 10th actuator OU number
 CA = 11th actuator OU number
 CB = 12th actuator OU number
 CC = 13th actuator OU number
 CD = 14th actuator OU number
 CE = 15th actuator OU number
 CF = 16th actuator OU number
 00 = Cannot Determine OU

0 = Cannot determine
 1 = Model 100
 2 = Model 200
 3 = Model 3
 4 = Model 4
 5 = Model 5
 6 = Model 6
 7 = Model 7
 8 = Model 8
 9 = Model 18
 A = Model 20
 B = Model 400
 C = Model 40
 D = Model 600
 E = Model 700
 F = Model 300

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
40xx x001	Bad return code from read CPU.	B135 B630 B225 A110
40xx x002	The format type logged is not a valid format.	F399 F201
40xx x003	The error code logged is not a valid error code.	F245 L130 C225

3370 SRC Table

SRC 1234 5678		Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
40xx	x011	FOB timeout (disconnect).	L199 C201
40xx	x012	FOB timeout (OU mismatch).	L199 C201
40xx	x013	FOB timeout (halt).	L199 C201
40xx	x020	Command reject.	Z399 L101
40xx	x030	Attachment parity error.	L199 C201
40xx	x040	RAM checkout.	L198 C201 Z301
40xx	x050	OU mismatch.	L199 C201
40xx	x200	Pre-selection check error.	L134 P533 P333
40xx	x210	Selection error.	L134 P533 P333
40xx	x215	Selection error.	L134 P533 P333
40xx	x220	Tag timeout error.	L134 P533 P333
40xx	x221	Tag timeout error.	L134 P533 P333
40xx	x230	I/O interface parity error.	P351 L149
40xx	x240	I/O interface parity error.	P351 L149
40xx	x250	3370 controller processor check.	Z499
40xx	x260	Error alert.	Z499
40xx	x280	Error alert in 3370 adapter.	Y199
40xx	x290	Register load error in controller.	Y299
40xx	x300	Register load error in controller.	Y299
40xx	x310	Not busy on seek.	Y299
40xx	x320	Tag timeout.	Z499

SRC 1234 5678		Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
40XX	x321	Sync in error.	P140 P325 L120 C215
40XX	x330	Not online.	Y299
40XX	x331	Not online.	Y299
40XX	x350	Unexpected drive status.	Y299
40XX	x353	Unexpected drive status.	Y299
40XX	x356	Unexpected drive status.	Y299
40XX	x360	Sync out error.	Z499
40XX	x370	Check end error.	Z499
40XX	x375	Check end error.	Y199
40XX	x500	Seek check.	Y299
40XX	x510	ID mismatch.	Y299
40XX	x520	ID mismatch.	Y199
40XX	x590	Write overrun.	L199
40XX	x595	Read overrun.	L199
40XX	x601	Data check (not ECC corrected).	Y299
40XX	x603	Data check (not ECC corrected).	Y299
40XX	x605	Data check (not ECC corrected).	Y299
40XX	x607	Data check (alternative off cylinder).	Y299
40XX	x609	Data check (ECC corrected).	Y299
40XX	x611	ECC correctable data check (ECC corrected).	Y299
40XX	x613	Data check (not ECC corrected).	Y299

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
40xx x615	Data check (not ECC corrected).	Y299
40xx x616	Data check (not ECC corrected).	Y299
40xx x999	BSTAT not valid.	L198 Z402
41xx x000	A false device interface check occurred.	J245 J330 J425
41xx x001	A tag bus parity error occurred.	J140 J225 J420 J515
41xx x002	A bus out parity error occurred.	J140 J225 J320 J415
41xx x003	A tag bus and a bus out parity error occurred.	J140 J225 J320 J415
41xx x100 thru x11F	An HDA sequence failure occurred.	J340 J625 J720 J515
41xx x120 thru x12F	An HDA sequence failure occurred.	J360 J840
41xx x130	An HDA sequence failure occurred.	J360 J940
41xx x131	An HDA sequence failure occurred.	J360 J940
41xx x132	An HDA sequence failure occurred.	J360 J940
41xx x133	An HDA sequence failure occurred.	J360 J940
41xx x134	An HDA sequence failure occurred.	J399
41xx x135	An HDA sequence failure occurred.	J399
41xx x136	An HDA sequence failure occurred.	J334 J933 J633
41xx x137	An HDA sequence failure occurred.	J334 J933 J633

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
41xx x138 thru x13C	An HDA sequence failure occurred.	J350 J950
41xx x13D	An HDA sequence failure occurred.	J399
41xx x13E	An HDA sequence failure occurred.	J345 J930 J625
41xx x13F	An HDA sequence failure occurred.	J345 J930 J625
41xx x140 thru x1DF	An HDA sequence failure occurred.	J340 J625 J720 J515
41xx x1E7 thru x1F6	An HDA sequence failure occurred.	J399
41xx x1F7	An HDA sequence failure occurred.	J745 J630 J325
41xx x213	An invalid location was detected during a rezero.	J740 J425 J520 P915
41xx x21B	An invalid location was detected during a rezero.	J735 J525 J417 J613 P910
41xx x225	A servo off-track was detected during a rezero.	J740 P625 P920 J515
41xx x22B	A servo off-track was detected during a rezero.	J540 J425 J320 P915
41xx x240 thru x24F	An overshoot was detected during a rezero.	J540 J725 J420 P915
41xx x283	An access timeout occurred during a rezero.	J735 J425 J517 J913 P910

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
41xx x287	An access timeout occurred during a rezero.	J735 J425 J517 J913 P910
41xx x289	An access timeout occurred during a rezero.	J735 J420 J515 J612 J910 P908
41xx x28B	An access timeout occurred during a rezero	J935 J720 J515 J412 J310 P908
41xx x2A9	An access timeout and servo off track occurred during a rezero.	J735 J425 J517 J313 P910
41xx x2AB	An access timeout and servo off track occurred during a rezero.	J535 J725 J417 J913 P910
41xx x200 thru x2FF	Any other rezero mode servo error.	J540 J725 J420 P915
41xx x310 thru x3FF	An invalid location was detected during a seek.	J535 J725 J417 J613 J310
41xx x418	A setting servo error occurred.	J645 P630 J725
41xx x444	A setting servo error occurred.	J735 J520 J415 P912 J310 J908
41xx x484	A setting servo error occurred.	J740 J525 J420 J915
41xx x4C4	A setting servo error occurred.	J740 J525 J420 J915
41xx x400 thru x47F	Any other setting servo error.	J745 J530 J425

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
41xx x480 thru x4FF	Any other setting servo error.	J540 J725 J420 P915
41xx x500 thru x53F	An offset servo error occurred.	J545 J430 J725
41xx x540 thru x57F	An overshoot was detected during a servo offset.	J545 P930 J725
41xx x580 thru x58F	An access timeout occurred during a servo offset.	J540 J725 J420 P915
41xx x61A	An invalid location was detected during track following.	J645 J730 P925
41xx x62A	A servo off-track was detected during track following.	J535 J720 J615 P612 J410 J908
41xx x600 thru x6FF	Any other track following servo error.	J548 J725 J420 P915
41xx x700 thru x7FF	A false drive (access) check occurred.	J560 J340
41xx x800	A sector compare check occurred.	P245 J630 J225
41xx x8C1	A sector compare check occurred.	J240 P225 J620 P715
41xx x801 thru x8FF	Any other sector compare check.	J240 P225 J420 P715

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
41xx x910	Format 1 attachment error message.	P735 J220 J115 P512 J310 P308
41xx x911	A transmit target error occurred.	J240 J525 J420 J315
41xx x913	A transmit difference high error occurred.	J440 J525 J320 J215
41xx x914	A sync out timing error occurred.	P135 P325 P517 J113 L110
41xx x915	Drive status during initial selection was not expected.	J535 P725 J717 J313 J110
41xx x916	A transmit car error occurred.	J240 J525 J420 J315
41xx x917	A transmit head error occurred.	P240 J225 J520 J415
41xx x918	A transmit difference offset error occurred.	J440 J525 J320 J215
41xx x919	Drive status during a read IPL or a retry was not expected.	J540 J325 J220 J415
41xx x91A	A seek verification check occurred.	J445 J730 J525
41xx x91B	A seek incomplete on retry occurred.	J445 J730 J525
41xx x91C	No interrupt was received from the drive.	J540 J225 J120 J415
41xx x91D	An unrecovered microcontroller check occurred.	Z299
41xx x91E	An unresolved ID miscompare error occurred.	P145 P330 L125
41xx xA00 thru xAFF	A transition detection check or HDA read check.	J340 P625 J220 P715

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
41XX XB00 thru XB07	A read/write safety check.	P640 P725 J320 J215
41XX XB08	A control check occurred.	P240 J325 J220 J515
41XX XB10 thru XB1F	An index check occurred.	P740 P225 J320 J415
41XX XB20 thru XB2F	A write overrun occurred.	J345 J230 J725
41XX XB40 thru XB4F	A capable/enable check occurred.	J340 J525 J720 P215
41XX XB80 thru XB8F	A write mode check occurred.	P640 J325 P720 J215
41XX XC00 thru XCFF	A device interface bus in error occurred. One or more bits are active.	J240 J425 J520 J315
41XXXE00 thru	A false drive (access) check occurred.	J535 J325 J217 J113 P210 xEFF
41XXXF00 thru XFFF	A false read/write check occurred.	J360 J140

SRC 1234 5678	Definition	For result code definitions, see B6 thru B9 Card 3 Result Codes and Probability %
44xx x940	An ID field data check occurred.	P635 P720 J715 P112 P810 J608
44xx x941	A data field ECC uncorrectable read error occurred.	P635 P720 J715 P112 P810 J608
44xx x944	An ID field no sync byte found occurred.	P635 P720 J215 J412 P210 P108
44xx x945	A data field no sync byte found occurred.	P635 P720 J215 J412 P210 P108
44xx x949	A data field ECC uncorrectable error occurred during a check data operation.	P635 P720 J715 P112 P810 J608
44xx x94D	A data field no sync byte found error occurred during a check data operation.	P635 P720 J215 J412 P210 P108
49xx x001	Tag valid was missing on read/write operation.	P240 J225 J620 J115
49xx x002	No normal end or check end was received after a read or write.	J235 P225 J117 P113 P510
49xx x003	No controller response on a control operation.	P340 J225 P720 J115
49xx x004	Normal end was received before the required number of bytes were transmitted.	J120 P525 P820 P315
49xx x006	No controller or more than one controller was selected.	P340 L125 P520 P115
49xx x007	Pre-selection check (selected alert, select active, index alert, sync in, normal end, check end, or tag valid was active) before the device was selected.	P360 L140

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4
		Result Code and Probability %
92 _{xx} x071	VCM inhibit	B160 D120 A320
92 _{xx} x072	Settle error	B170 D125 A305
92 _{xx} x073	VCM integration during settle	B170 D125 A305
92 _{xx} x074	VCM current check error (from SAR wrap)	B150 A350
92 _{xx} x075	VCM zero offset too high	B195 D105 A301
92 _{xx} x078	24V power supply measurement too low	B145 P139 D115 A301
92 _{xx} x079	Measured Gamma out of limits	B180 D119 A301
92 _{xx} x07A	Measured Bias out of limits	B160 D135 A405
92 _{xx} x07B	Demodulator calibration out of limits	A399
92 _{xx} x081	Bad coherence during calibration	A399
92 _{xx} x086	Bad coherence for three consecutive sectors	D165 A330 B105
92 _{xx} x087	Demod ready line stuck inactive	A395 D105
92 _{xx} x088	Demod ready line stuck active	A395 D105
94 _{xx} x001	Hall error	B250 D240 A410
94 _{xx} x002	VCM driver unsafe	B260 A440
94 _{xx} x003	DAC bus parity error	A450 B250
94 _{xx} x004	Shorted Data Channel control	A460 D230 A205 B205
94 _{xx} x005	Loss of sync	A460 D225 B215
94 _{xx} x006	Brake system error	B290 A410
94 _{xx} x007	SID read inhibit error	D280 A410 A208 B202

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
94xx x008	SID write inhibit error	D258 B230 A410 A202
94xx x009	CMAC read inhibit error	D255 B230 A410 A205
94xx x00A	CMAC write inhibit error	D275 B215 A405 A205
94xx x00B	Write gate, AE level check, and wrap test	A450 D250
94xx x00C	Detector module error	A480 A218 B202
94xx x00D	Error in safety control line in combination	A490 A208 B202
94xx x00E	SID byte counter parity error	A499
94xx x00F	Attention without SID detected error	A480 A218 B202
94xx x010	AE/AGC error	A499
94xx x011	AGC error – open write I select line	A490 D210
94xx x012	Fault in AGC write current source or DE	A475 D225
94xx x013	AE/AGC error	A460 D225 A210 B205
94xx x014	AE/AGC error	A245 A445 B210
94xx x015	Open write data line	A440 A225 B225 D210
94xx x016	AE/AGC error	A245 B235 A420
94xx x017	AE/AGC error	D265 A420 A210 B205
94xx x018	AE module error	D285 A415
94xx x019	AE module error	D295 A405
94xx x01C	SID attention with unknown error	A499
94xx x021	SID status 5 read error	A499

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
94xx x022	SID status A read error	A499
94xx x023	Missing sector stuck	A499
94xx x024	Sector stuck active before SID enable	A499
94xx x025	ID in syne stuck active before SID enable	A499
94xx x029	CMAC register read write error	A480 D210 B210
94xx x02A	CMAC RAM error	A499
94xx x02B	CMAC MAC error	A499
94xx x02C	CMAC SAR error	A499
94xx x031	Demod I's wrap error	A499
94xx x032	Demod 0's wrap error	A499
94xx x039	CMAC predriver low gain 00 wrap error	B260 A440
94xx x03A	CMAC predriver low gain 50 wrap error	B260 A440
94xx x03B	CMAC predriver low gain A8 wrap error	B260 A440
94xx x03C	CMAC predriver high gain 00 wrap error	B260 A440
94xx x03D	CMAC predriver high gain 50 wrap error	B260 A440
94xx x03E	CMAC predriver high gain A8 wrap error	B260 A440
94xx x042	Motor frozen error	B250 D240 A410
94xx x043	Motor acceleration too low	B250 D240 A410

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
94xx x044	Motor unable to reach speed	B250 D240 A410
94xx x045	SID unable to come into sync	A450 D240 B210
94xx x046	Actuator was not retracted	B290 D210
94xx x047	Actuator was not locked	B290 D210
94xx x048	Guard band not at OD during recalibrate	D260 A420 B220
94xx x049	Track 0 not found (guard band doesn't disappear at OD)	D260 A430 B210
94x x04A	Motor over speeds on bring-up	B280 A420
94xx x04C	Unable to sync at OD during recalibrate	A440 B230 D230
94xx x061	Unsupported command	A250 A449 B201
94xx x062	Invalid head	A250 A449 B201
94xx x063	Invalid track	A250 A449 B201
94xx x064	Invalid command mode	A250 A449 B201
94xx x065	Head shift exceeds maximum amount	A250 A449 B201
94xx x066	Didn't receive serial port reset as first command	A250 A449 B201
94xx x067	Head offset not zero when entering command mode 0 or 1	A250 A449 B201
94xx x069	Invalid spindle motor current levels	D240 B240 A420
94xx x070	Inside one track track to go for too long	B250 D240 A410
94xx x071	VCN inhibit	B260 D220 A420
94xx x072	Settle error	D275 B220 A405

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
94XX \073	VCM integration during settle	B270 D225 A405
94XX \074	VCM current check error (from SAR wrap)	B250 A450
94XX \075	VCM zero offset too high	B295 D204 A401
94XX \078	24V power supply measurement too low	B245 P139 D215 A401
94XX \079	Measured Gamma out of limits	B280 D219 A401
94XX \07A	Measured Bias out of limits	B260 D235 A205
94XX \07B	Demodulator calibration out of limits	A499
94XX \081	Bad coherence during calibration	A499
94XX \086	Bad coherence for three consecutive sectors	D265 A430 B205
94XX \087	Demod ready line stuck inactive	A495 D205
94XX \088	Demod ready line stuck active	A495 D205
9FXX \FD0	Write Read buffer failed due to interface errors	P168 B112 A205 F105 A302 A402 A102 D102 C202
9FXX \FD1	IOP unable to degate Athens from the interface	A170 A228 B102
9FXX \FD2	Internal interface cable failure	C199
9FXX \FD3	IOP slave FRU callout SRC surfaced and no IOP solid failures detected	On-site Service Required
9FXX \FD5	Slave was operational but is not operational now (no response on bus)	P168 B112 A205 F105 A302 A402 A102 D102 C202

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
9FXX AFE0	Sequence error	A160 A238 B102
9FXX AFE1	Bus parity error	A160 A238 B102
9FXX AFE2	Sync In not equal to Sync Out	A299
9FXX AFE3	Master unsuccessful transfer	On-site Service Required
9FXX AFF0	Slave was operational but is not operational now (no response on bus)	P168 B112 A205 F105 A302 A402 A102 D102 C202
9FXX AFF4	Error reported in response packet with no associated URC	M150 A247 A301 A401 B101
9FXX AFF5	Log request but no URC.	M150 A247 A301 A401 B101

9332 RC Table

9332 Result Code	Definition	P/N
A1	Driver receiver card (A0A1)	8264586
A2	Attachment card (A0B1)	2453516
A3	Servo card 0 (A0C1)	2453500
A4	Servo card 1 (A0C2)	2453500
B1	Driver board (A0A0) - Model 200	2453414
	Driver board (A0A0) - Model 400	2453415
B2	Driver board (A0A0)	2453415
C1	DI-CT cable (A0H)	8264628
C2	AC line cord (A0L1)	9999999
D1	Disk enclosure carrier (A0DE) - Model 200	2453672
	Disk enclosure carrier (A0DE) - Model 400	2453673
D2	Disk enclosure carrier (A0DE)	2453673
F1	Fans (A0F1)	8264609
H1	Host	
L1	Op panel lights flex assy (A0I 1)	8264642
M1	9332 microcode	
P1	Power supply (A0P1)	8264255
S1	DECT Bus address switch (A0S1)	8264629

9332 SRC Table

Positions **2, 6, 7, 8** of the System SRC contains positions **1, 2, 3** and **4** respectively of the 9332 Unit Reference Code. Refer to the *IBM 9332 Model 200/400 Disk Drive: Reference Code Guide*, GA21-9836., for service actions which may be required before or after FRU replacement.

Use the Result Code and Probability in the table below to determine the service action or parts required.

Position 3, 4 = Actuator Number

00 = Cannot determine OU
 C0 = 1st actuator OU number
 C1 = 2nd actuator OU number
 C2 = 3rd actuator OU number
 C3 = 4th actuator OU number
 C4 = 5th actuator OU number
 C5 = 6th actuator OU number
 C6 = 7th actuator OU number
 C7 = 8th actuator OU number
 C8 = 9th actuator OU number
 C9 = 10th actuator OU number
 CA = 11th actuator OU number
 CB = 12th actuator OU number
 CC = 13th actuator OU number
 CD = 14th actuator OU number
 CE = 15th actuator OU number
 CF = 16th actuator OU number

E0 = 17th actuator OU number
 E1 = 18th actuator OU number
 E2 = 19th actuator OU number
 E3 = 20th actuator OU number
 E4 = 21st actuator OU number
 E5 = 22nd actuator OU number
 E6 = 23rd actuator OU number
 E7 = 24th actuator OU number
 E8 = 25th actuator OU number
 E9 = 26th actuator OU number
 EA = 27th actuator OU number
 EB = 28th actuator OU number
 EC = 29th actuator OU number
 ED = 30th actuator OU number
 EE = 31st actuator OU number
 EF = 32nd actuator OU number

Position 5 = Model Type

0 = Cannot determine
 1 = Model 100
 2 = Model 200
 B = Model 400
 D = Model 600
 E = Model 700
 E = Model 300

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
90XX x80B	FP TCB handshake timeout	A282 A308 A408 D101 B101
90XX x823	Invalid command pending bit	A299
90XX x827	Invalid TCB pointer value	A299
90XX x828	Microcode exception (sanity error)	A299
90XX x82A	No CE block size bit	A299
90XX x82B	No data block size bit	A299
90XX x82C	Invalid sequence bit set	A299
90XX x82E	Invalid LRC in write buffer	A299
90XX x830	Scan hardware test failed	A299
90XX x832	Scan hardware timeout	A299
90XX x835	Illegal jump to transfer table	A299
90XX x836	Invalid facility flags	A299
90XX x837	No verification flags set	A299
90XX x838	Jump to code-free space	A299
90XX x839	Invalid machine state in FACTST	A299
90XX x83B	Facility 1 selected when not installed	B289 A404 A104 C103
90XX x840	Bus parity error during transfer to master	A299
90XX x844	Unsupported packet length	A299
90XX x84A	Master terminated transfer	A270 A127 C102 B101
90XX x84B	Slave internal error	A299

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
90xx x84C	Invalid xfer flag set	A299
90xx x84D	Invalid int descriptor	A299
90xx x84F	Invalid xfer in progress flag	A299
90xx x850	Invalid error status	A299
90xx x857	Read usage counter overflow	On-site Service Required
90xx x858	Write verify usage counter overflow	On-site Service Required
90xx x859	Data channel not committed	A299
90xx x85A	Read/write operation ready bit wrong at fileint	A299
90xx x85B	Blocksize indicator incorrect	A299
90xx x85C	Invalid transfer count	A299
90xx x85D	Invalid transfer in progress flags	A299
90xx x85E	Transfer status not equal DFC status	A299
90xx x85F	DFC status register not equal command register	A299
90xx x870	Reallocate not possible	D199
90xx x871	Microcode error detected during reallocate	A299
90xx x899	Cmd exception when in ROS only state	On-site Service Required
90xx x89A	Unusable return code from ABORTFP	A299
90xx x89C	Unusable return code from FINDPARM	A299
90xx x89D	No active device bit (Fac0, Fac1, or DFC bit)	A299

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
90 _{XX} x89E	No usable LOG MED code	A299
90 _{XX} x89F	Incorrect or no seqxdone bit	A299
90 _{XX} x8B0	Self initiated reset due to timeout on FP tcb handshake	A299
90 _{XX} x8B1	IP failure – incorrect RC from a module	A299
90 _{XX} x8B2	Invalid data in the attribute sector	A2 and D1
90 _{XX} x8B4	Microcode error – FCSTAT has invalid data	A299
90 _{XX} x8B5	FP broken	A299
90 _{XX} x8B7	Checksum failed on IP RAM code	A295 M105
90 _{XX} x8B8	ROS – RAM code incompatible	M189 A211
90 _{XX} x8B9	IP failure – illegal error code generated	A299
90 _{XX} x8BA	Slave not ready – unable to get code load due to facility	A320 B120 A420 A220 D120
90 _{XX} x8BC	Failed to read all the FP code	A335 A435 A229 B101
90 _{XX} x8C1	IP failure – bailout module entered	A299
90 _{XX} x8C2	File failure – 90 second timeout exceeded	B120 A320 A420 D120 A220
90 _{XX} x8C6	Thermal threshold exceeded	F180 A210 B110
90 _{XX} x8C7	Parity error detected on IP CSR	A299
90 _{XX} x8C8	Parity error detected on FP CSR	A299
90 _{XX} x8CA	Failed to read any copy of IP code	D150 A224 A312 A412 B102

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
90xx x8CB	VPD data in the field record is invalid	On-site Service Required
90xx x8CC	Self initiated reset due to bad TSM data	A299
91xx x001	Attention line from servo cards 0 and 1 both active	A285 B115
91xx x002	Attention line from servo card 0 active	A355 A244 B101
91xx x004	Clock check error from servo cards 0 and 1	A290 B110
91xx x005	Clock check error from servo card 0	A255 A344 B101
91xx x007	Sector checker error	A370 A229 B101
91xx x008	Wrap PHILO I O error	A295 A304 B101
91xx x009	Read and write both active to encode decode	A299
91xx x00B	Sync byte not found during write operation	A299
91xx x00C	Command sequence error	A299
91xx x00D	LRC error	A299
91xx x00E	Parity error on encode decode ECCbus	A299
91xx x00F	Sector pulse load error	A299
91xx x010	Hardware detected flag byte miscompare	A299
91xx x011	Power supplies failing	P170 A228 B102
91xx x012	Read and Write both active in command buffer	A299
91xx x013	ECC hardware error	A299

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x014	Read/write counter parity error	A299
91xx x015	Operations too long	A270 A330
91xx x016	Byte clock checker	A299
91xx x018	Encode/decode error	A299
91xx x019	No R/W hardware error found active in R/W control error registers	A299
91xx x01A	Hardware detected sector number miscompare (index counter out of sync with disk)	A290 A308 B102
91xx x01B	Index counter found to be out of sync with disk during locate verify	A295 A305
91xx x01C	FP software injected error	A299
91xx x01D	Sync byte not found during read operation	A350 A230 D120
91xx x01E	ECC not on the fly error from error interrupt routine	A350 A230 D120
91xx x01F	ECC on the fly error not corrected by single burst code	A350 A230 D120
91xx x020	Max retries attempted for locate verify	A360 A234 D105 B101
91xx x021	IP write inhibit error	A299
91xx x022	Read inhibit timeout before locate verify	A393 A205 D101 B101
91xx x023	Sector pulse timeout before locate verify	A393 A205 D101 B101
91xx x024	Correct track verification failed during locate verify	A370 A230
91xx x027	Sector pulse timeout on synchronous start of read/write operation	A280 A310 B110

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x028	Read inhibit timeout after access or head shift command from sequencer module	A393 A205 D101 B101
91xx x029	Read inhibit timeout after servo processor reset during servo initialization	A398 A201 B101
91xx x02D	Invalid partial Task Control Block (TCB)	A299
91xx x02E	Negative number of spares in return track parameters	A299
91xx x02F	Invalid displacement or defect list found in RIP data during locate spare command	A299
91xx x030	Invalid RIP data found during reallocate with parameters command	A299
91xx x031	Invalid sector interleave factor	A299
91xx x032	Read inhibit timeout before format locate verify	A393 A205 D101 B101
91xx x033	Sector pulse timeout before format locate verify	A280 A310 B110
91xx x034	Wrong servo processor serial port echo or response	A345 A230 B125
91xx x035	Correct track verification failed when verifying format	A370 A229 D101
91xx x036	Invalid locate spare parameter	A299
91xx x037	Sector pulse timeout for single index operation	A296 A303 B101
91xx x038	Invalid read modulo parameter	A299
91xx x039	Servo processor serial port echo timeout	A345 A230 B125

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x03A	Invalid read write sequencer parameter	A299
91xx x03B	Invalid parameter for set servo parameters sequencer	A299
91xx x03C	Invalid move TSM to control store parameter	A299
91xx x03D	Invalid cylinder head bytes found in sector ID for locate verify	A299
91xx x03E	Invalid sector number found in sector ID for locate verify	A299
91xx x03F	Invalid defect sector number found in defect list of sector ID for locate verify	A299
91xx x040	Invalid displacement found in sector ID for locate verify	A299
91xx x044	Number of sectors loaned was above maximum allowed during track characterization	A299
91xx x045	Number of sectors loaned was a negative result during track characterization	A299
91xx x048	Invalid displacement and loaned combination found during next track characterization	A299
91xx x049	Timer counter 0 value has run out of valid bounds during sector setup	A299
91xx x04A	Invalid deep DRP restore side sector parameter	A299
91xx x04B	Command received from IP for down facility	A299
91xx x04C	Invalid control store RAM code vectors not setup in RAM	A299

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x04D	Index counter found to be out of sync with disk when verifying format	A295 A305
91xx x04E	Initial microcode load check sum error	A299
91xx x04F	Invalid DFC command code found during command decode	A299
91xx x050	Invalid sector history for activity byte reported during RWOPS adjust type 1 for activity burning a revolution	A299
91xx x051	Invalid sector history for activity byte reported during RWOPS adjust type 1 for activity not burning a revolution	A299
91xx x052	Invalid sector history for activity byte reported during RWOPS adjust type 2	A299
91xx x053	Invalid defect information found when verifying format	A299
91xx x054	Timer counter0 value has run out of valid bounds during sync index operation	A299
91xx x055	Next track characterization found target sector to be on the following track	A299
91xx x057	Invalid sector ID or pad value found in SAT map or grown defect map during disk initialization	A299
91xx x058	Invalid command to give to servo processor	A299
91xx x059	Invalid device command code found during command decode	A299
91xx x05D	Invalid cylinder/head parameter	A299
91xx x05E	Abort read/write operation due to attention line	A345 A240 B115

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x05F	Nested SP error caused R/W control recovery procedure to fail	A395 A204 B101
91xx x060	Illegal error code reported to ERP	A299
91xx x061	Error from read write operation adjust function during FP ERP	A299
91xx x0BD	Sync byte not found during read operation in first 3 cylinders of the disk – not reallocatable	D180 A315 A205
91xx x0BE	ECC not on the fly error from error interrupt routine in first 3 cylinders of the disk – not reallocatable	D180 A315 A205
91xx x0BF	ECC on the fly error not corrected by single burst code in first 3 cylinders of the disk – not reallocatable	D180 A315 A205
91xx x101	Attention line from Servo Cards 0 and 1 both active	A285 B215
91xx x103	Attention line from Servo Card 1 active	A455 A244 B201
91xx x104	Clock Check error from Servo Cards 0 and 1	A290 B210
91xx x106	Clock Check error from Servo Card 1	A490 A209 B201
91xx x107	Sector checker error	A470 A229 B201
91xx x108	Wrap PHILO I/O error	A295 A404 B201
91xx x109	Read and write both active to encode/decode	A290 A408 D201 B201
91xx x10B	Sync byte not found during write operation	A299
91xx x10C	Command sequence error	A299
91xx x10D	LRC error	A299

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x10E	Parity error on encode/decode ECC bus	A299
91xx x10F	Sector pulse load error	A299
91xx x110	Hardware detected flag byte miscompare	A299
91xx x111	Power supplies failing	P170 A228 B202
91xx x112	Read and Write both active in command buffer	A299
91xx x113	ECC hardware error	A299
91xx x114	Read write counter parity error	A299
91xx x115	Operations too long	A270 A430
91xx x116	Byte clock checker	A299
91xx x118	Encode decode error	A299
91xx x119	No R/W hardware error found active in R/W control error registers	A299
91xx x11A	Hardware detected sector number miscompare (index counter out of sync with disk)	A290 A408 B202
91xx x11B	Index counter found to be out of sync with disk during locate verify	A295 A405
91xx x11C	FP software injected error	A299
91xx x11D	Sync byte not found during read operation	A450 A230 D220
91xx x11E	ECC not on the fly error from error interrupt routine	A450 A230 D220
91xx x11F	ECC on the fly error not corrected by single burst code	A450 A230 D220

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4
		Result Code and Probability %
91xx x120	Max retries attempted for locate verify	A460 A234 D205 B201
91xx x121	IP write inhibit error	A299
91xx x122	Read inhibit timeout before locate verify	A493 A205 D201 B291
91xx x123	Sector pulse timeout before locate verify	A280 A410 B210
91xx x124	Correct track verification failed during locate verify	A470 A230
91xx x127	Sector pulse timeout on synchronous start of read write operation	A280 A410 B210
91xx x128	Read inhibit timeout after access or head shift command from sequencer module	A493 A205 D201 B201
91xx x129	Read inhibit timeout after servo processor reset during servo initialization	A498 A201 B201
91xx x12D	Invalid partial Task Control Block (TCB)	A299
91xx x12E	Negative number of spares in return track parameters	A299
91xx x12F	Invalid displacement or defect list found in RIP data during locate spare command	A299
91xx x130	Invalid RIP data found during reallocate with parameters command	A299
91xx x131	Invalid sector interleave factor	A299
91xx x132	Read inhibit timeout before format locate verify	A493 A205 D201 B201
91xx x133	Sector pulse timeout before format locate verify	A280 A410 B210

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x134	Wrong servo processor serial port echo or response	A445 A230 B225
91xx x135	Correct track verification failed when verifying format	A470 A229 D201
91xx x136	Invalid locate spare parameter	A299
91xx x137	Sector pulse timeout for sync index operation	A296 A403 B201
91xx x138	Invalid read modulo parameter	A299
91xx x139	Servo processor serial port echo timeout	A445 A230 B225
91xx x13A	Invalid read write sequencer parameter	A299
91xx x13B	Invalid parameter for set servo parameters sequencer	A299
91xx x13C	Invalid move TSM to control store parameter	A299
91xx x13D	Invalid cylinder/head bytes found in sector ID for locate verify	A299
91xx x13E	Invalid sector number found in sector ID for locate verify	A299
91xx x13F	Invalid defect sector number found in defect list of sector ID for locate verify	A299
91xx x140	Invalid displacement found in sector ID for locate verify	A299
91xx x144	Number of sectors loaned was above maximum allowed during track characterization	A299
91xx x145	Number of sectors loaned was a negative result during track characterization	A299

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
91xx x148	Invalid displacement and loaned combination found during next track characterization	A299
91xx x149	Timer/counter 0 value has run out of valid bounds during sector setup	A299
91xx x14A	Invalid deep DRP restore side sectors parameter	A299
91xx x14B	Command received from IP for down facility	A299
91xx x14C	Invalid control store RAM code - vectors not setup in RAM	A299
91xx x14D	Index counter found to be out of sync with disk when verifying format	A295 A404 B201
91xx x14E	Initial microcode load check sum error	A299
91xx x14F	Invalid DFC command found during command decode	A299
91xx x150	Invalid sector history for activity byte reported during RWOPS adjust type 1 for activity burning a revolution	A299
91xx x151	Invalid sector history for activity byte reported during RWOPS adjust type 1 for activity not burning a revolution	A299
91xx x152	Invalid sector history for activity byte reported during RWOPS adjust type 2	A299
91xx x153	Invalid defect information found when verifying format	A299
91xx x154	Timer/counter0 value has run out of valid bounds during sync index operation	A299
91xx x155	Next track characterization found target sector to be on the following track	A299

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and robability %
91xx x157	Invalid sector ID or pad value found in SAT map or grown defect map during disk initialization	A299
91xx x158	Invalid command received to servo processor	A299
91xx x159	Invalid device command code found during command decode	A299
91xx x15D	Invalid cylinder head parameter	A299
91xx x15E	Abort read/write operation due to Attention line	A445 A240 B215
91xx x15F	Nested SP error caused R/W control recovery procedure to fail	A495 A204 B201
91xx x160	Illegal error code reported to ERP	A299
91xx x161	Error from read/write operation adjust function during FP ERP	A299
91xx x1BD	Sync byte not found during read operation in first 3 cylinders of the disk – not reallocatable	D280 A415 A205
91xx x1BE	ECC not on the fly error from error interrupt routine in first 3 cylinders of the disk – not reallocatable	D280 A415 A205
91xx x1BF	ECC on the fly error not corrected by single burst code in first 3 cylinders of the disk – not reallocatable	D280 A415 A205
92xx x001	Hall error	B150 D140 A310
92xx x002	VCM driver unsafe	B160 A340
92xx x003	DAC bus parity error	A350 B150
92xx x004	Shorted Data Channel control	A360 D130 A205 B105

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
92xx x005	Loss of sync	A360 D125 B115
92xx x006	Brake system error	B190 A310
92xx x007	SID read inhibit error	D180 A310 A208 B102
92xx x008	SID write inhibit error	D158 B130 A310 A202
92xx x009	CMAC read inhibit error	D155 B130 A310 A205
92xx x00A	CMAC write inhibit error	D155 B130 A310 A205
92xx x00B	Write gate, AE level check, and wrap test	A350 D150
92xx x00C	Detector module error	A380 A218 B102
92xx x00D	Error in safety control line combination	A290 A308 B102
92xx x00E	SID byte counter parity error	A399
92xx x00F	Attention without SID detected error	A380 A218 B102
92xx x010	AE/AGC error	A399
92xx x011	AGC error – open write I select line	A390 D110
92xx x012	Fault in AGC write current source or DE	A375 D125
92xx x013	AE/AGC error	A360 D125 A210 B105
92xx x014	AE/AGC error	A245 A345 B110
92xx x015	Open write data line	A340 A225 B125 D110
92xx x016	AE/AGC error	A245 B135 A320
92xx x017	AE/AGC error	D165 A320 A210 B105
92xx x018	AE module error	D185 A315

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
92 _{XX} A019	AE module error	D195 A305
92 _{XX} A01C	SID attention with unknown error	A399
92 _{XX} A021	SID status 5 read error	A399
92 _{XX} A022	SID status A read error	A399
92 _{XX} A023	Missing sector stuck	A399
92 _{XX} A024	Sector stuck active before SID enable	A399
92 _{XX} A025	ID in sync stuck active before SID enable	A399
92 _{XX} A029	CMAC register read write error	A370 B120 D110
92 _{XX} A02A	CMAC RAM error	A399
92 _{XX} A02B	CMAC MAC error	A399
92 _{XX} A02C	CMAC SAR error	A399
92 _{XX} A031	Demod 1's wrap error	A399
92 _{XX} A032	Demod 0's wrap error	A399
92 _{XX} A039	CMAC predriver low gain 00 wrap error	B160 A340
92 _{XX} A03A	CMAC predriver low gain 50 wrap error	B160 A340
92 _{XX} A03B	CMAC predriver low gain A8 wrap error	B160 A340
92 _{XX} A03C	CMAC predriver high gain 00 wrap error	B160 A340
92 _{XX} A03D	CMAC predriver high gain 50 wrap error	B160 A340
92 _{XX} A03E	CMAC predriver high gain A8 wrap error	B160 A340

9332 SRC Table

9332 SRC 1234 5678	Definition	For result code definitions, see C5 Card 4 Result Code and Probability %
92xx x042	Motor frozen error	B150 D140 A310
92xx x043	Motor acceleration too low	B150 D140 A310
92xx x044	Motor unable to reach speed	B150 D140 A310
92xx x045	SFD unable to come into sync	A350 D140 B110
92xx x046	Actuator was not retracted	B190 D110
92xx x047	Actuator was not locked	B190 D110
92xx x048	Guard band not at OD during recalibrate	D160 B120 A320
92xx x049	Track 0 not found (guard band doesn't disappear at OD)	D160 A330 B110
92xx x04A	Motor over speeds on bring-up	B180 A320
92xx x04C	Unable to sync at OD during recalibrate	A340 B130 D130
92xx x061	Unsupported command	A250 A349 B101
92xx x062	Invalid head	A250 A349 B101
92xx x063	Invalid track	A250 A349 B101
92xx x064	Invalid command mode	A250 A349 B101
92xx x065	Head shift exceeds maximum amount	A250 A349 B101
92xx x066	Didn't receive serial port reset as first command	A250 A349 B101
92xx x067	Head offset not zero when entering command mode 0 or 1	A250 A349 B101
92xx x069	Invalid spindle motor current levels	D140 B140 A320
92xx x070	Inside one track to go for too long	B150 D140 A310

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{XX} x11C		E1 B2 B6 E1 B3 B7
83 _{XX} x11D		B4 B5
83 _{XX} x11E		B2 B4 B3 B5
83 _{XX} x11F		B2 B4 B3 B5
83 _{XX} x120		B2 B4 B6 E1 B3 B5 B7 E1
83 _{XX} x121		E1 B4 B2 B6 E1 B5 B3 B7
83 _{XX} x122		B2 B4 B3 B5
83 _{XX} x123		B2 B4 E1 B3 B5 E1
83 _{XX} x124		E1 B2 B4 E1 B3 B5
83 _{XX} x125		B4 B5
83 _{XX} x126		B8 B9
83 _{XX} x127		B2 B3

9335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{XX} x128		B8 B4 B2 B9 B5 B3
83 _{XX} x129		P2 S6 C2 C3
83 _{XX} x12A		M1 B2 B4 P1 S2 C5 B0 M1 B3 B5 P1 S2 C5 B0
83 _{XX} x12B		M1 M2 M1
83 _{XX} x12C		P1 C3
83 _{XX} x12D		M2 M1 E1 L1
83 _{XX} x12E		B1 B4 B2 B1 B5 B3
83 _{XX} x12F		B2 B3
83 _{XX} x130		E1 C3
83 _{XX} x131		B8 B4 B6 B2 C3 B9 B5 B7 B3 C3
83 _{XX} x132		P1 B8 B4 P1 B9 B5
83 _{XX} x133		B2 B3 B4 B5 B6 B7
83 _{XX} x134		E1 B2 B4 B6 E1 B3 B5 B7
83 _{XX} x135		B4 B5 B2 B3 B6 B7 E1

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{XX} X136		B2 B4 E1 B6 B3 B5 E1 B7
83 _{XX} X137		P1
83 _{XX} X138		M1 B4 M1 B5
83 _{XX} X139		B1 A2 A1
83 _{XX} X13A		B2 B4 B3 B5
83 _{XX} X13B		E1 B2 B4 B6 B1 A1 A2 E1 B3 B5 B7 B1 A1 A2
83 _{XX} X13C		E1 B2 B6 E1 B3 B7
83 _{XX} X13D		B2 A1 A2 B8 B6 E1 B4 B1 B3 A1 A2 B9 B7 E1 B5 B1
83 _{XX} X13F		A1 B1
83 _{XX} X140		B2 B6 B3 B7
83 _{XX} X141		B2 B1 B6 A1 E1 A2 B4 B3 B1 B7 A1 E1 A2 B5

9335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{XX} x142		E1 B6 E1 B7
83 _{XX} x143		P1 B4 P1 B5
83 _{XX} x144		B8 B4 B9 B5
83 _{XX} x145		B6 B7
83 _{XX} x146		B2 B4 B3 B5
83 _{XX} x147		Z2 B4 B1 B2 A2 Z2 B5 B1 B3 A2
83 _{XX} x148		P1 B2 B4 B6 P1 B3 B5 B7
83 _{XX} x149		M1 P1 B4 Z2 M1 P1 B5 Z2
83 _{XX} x14A		B4 B5
83 _{XX} x14B		B4 B6 B5 B7
83 _{XX} x14C		B2 B4 B6 B3 B5 B7
83 _{XX} x14D		B8 B2 B4 B9 B3 B5

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{XX} x14E		P1 B8 B4 P1 B9 B5
83 _{XX} x14F		P1 B4 B1 A2 P1 B5 B1 A2
83 _{XX} x150		B4 A1 B1 B5 A1 B1
83 _{XX} x151		P4 T2 T1 P2 P1 P5 S5 Z2 B4 S3 A1 B2 P4 T2 T1 P2 P1 P5 S5 Z2 B5 S3 A1 B3
83 _{XX} x1A0		B1 B4 A2 A1 B1 B5 A2 A1
83 _{XX} x1A1		B1 B4 A2 A1 B1 B5 A2 A1
83 _{XX} x1A2		B1 B4 A2 A1 B1 B5 A2 A1
83 _{XX} x1A3		B1 B2 B4 A2 A1 B1 B3 B5 A2 A1
83 _{XX} x1A4		B1 B4 A2 A1 B1 B5 A2 A1
83 _{XX} x1A5		B1 B4 A2 A1 B1 B5 A2 A1
83 _{XX} x1A6		B1 B4 A2 A1 B1 B5 A2 A1

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
83 _{xx} x1A7		B1 B4 A2 A1 B1 B5 A2 A1
83 _{xx} x1A8		On-site Service Required.
83 _{xx} x1A9		B1 B4 A2 A1 B1 B5 A2 A1
83 _{xx} x1AA		B1 B4 B2 A2 A1 B1 B5 B3 A2 A1
83 _{xx} x1FD	The device is not operational. Check that file has not been switched off.	On-site Service Required.
83 _{xx} x1FE		B1 B4 B5 A3
84 _{xx} x401	Data check in data field B	B6 B1 A1 B7 B1 A1
84 _{xx} x402	Data check in ID field	B6 B1 A1 B7 B1 A1
84 _{xx} x403	Data check in data field A	B6 B1 A1 B7 B1 A1
84 _{xx} x404	Sync on ID field unsuccessful	A1
84 _{xx} x405	Sync on data field A unsuccessful	A1
84 _{xx} x406	Sync on data field B unsuccessful	A1
84 _{xx} x407	Read-back check on data field A or B failed	A1
84 _{xx} x409	Data check threshold exceeded	B6 B1 A1 B7 B1 A1
84 _{xx} x418	Sector retry counter exceeded	B2 B4 B3 B5

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
84 _{XX} x419	Logging complete for data check threshold exceeded	B6 B1 A1 B7 B1 A1
84 _{XX} x4FF	Invalid format 4 message.	A3
85 _{XX} x102		A3
85 _{XX} x288		A3
85 _{XX} x2FF	No system adapter or microcode error found	A3
85 _{XX} x401		A3 A1
85 _{XX} x407		A3
85 _{XX} x408		A3
85 _{XX} x40A		A3
85 _{XX} x40C		A3
85 _{XX} x40E		A3
85 _{XX} x410		A3
85 _{XX} x412		A3
85 _{XX} x414		A3 A1
85 _{XX} x415		A3
85 _{XX} x416		A3
85 _{XX} x417		A3
85 _{XX} x418		A3 A1
85 _{XX} x419		A3 A1
85 _{XX} x41A		A3 A1

9335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
85XX x41B		A2 A3
85XX x41C		A3
85XX x41E		A3
85XX x420		A3
85XX x422		A3
85XX x424		A3
85XX x426		A3
85XX x428		A1 A3
85XX x429		A3
85XX x42B		A1 A3
85XX x42C		A3
85XX x42E		A3
85XX x430		A3
85XX x432		A1 A3
85XX x481		A1
85XX x811		A1 A2
85XX x812		A3 A1 A2
85XX x832		A3
85XX x842		A3
85XX x852		A3
85XX x871		A3

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
85 _{XX} x872		A3
85 _{XX} x880		A3
85 _{XX} x8E1		A3
85 _{XX} x8E2		A3
86 _{XX} x000	No information available	A3
86 _{XX} x005	Attributes not loaded	On-site Service Required.
86 _{XX} x00A	RAM load-level mismatch	On-site Service Required.
86 _{XX} x00C	Reallocate failed – no alternate space available	On-site Service Required.
86 _{XX} x010		A3
86 _{XX} x014	Alternate space almost exhausted	A3
87 _{XX} x001		B4 B1 A2 B5 B1 A2
87 _{XX} x100		A2 A3 A1
87 _{XX} x101		A2 B1 B4 A2 B1 B5
87 _{XX} x102		A2 B1 B4
87 _{XX} x104		A2 B1 B5
87 _{XX} x108		A2 B1 B4
87 _{XX} x110		A2 B1 B5
87 _{XX} x120		A2 B1 B4
87 _{XX} x140		A2 B1 B5

9335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
87xx x180		A2 B1 B4
87xx x1FF		A2 A3 A1
87xx x201		A2 B1 B4 A2 B1 B5
87xx x301		B1 B4 A2 B1 B5 A2
87xx x401		B1 B4 A2 B1 B5 A2
87xx x601		B2 B1 A1 A2 B3 B1 A1 A2
87xx x701		B6 B1 A1 A2 B4 B2 B7 B1 A1 A2 B5 B3
87xx x801		B2 B1 A1 A2 B3 B1 A1 A2
87xx x901		B2 B1 A1 A2 B3 B1 A1 A2
87xx xA01		B2 B1 A1 A2 B3 B1 A1 A2
87xx xB01		D1 D3 D2 B1 A2
87xx xC01		B4 B1 A2 B5 B1 A2
87xx xD01		B4 B5 B1 A2
87xx xE01		A2 B1

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
87 _{XX} xF01		A2 B1 B4 A2 B1 B5
88 _{XX} x082		A1 A3 A2
88 _{XX} x083		A3 A1 A2 B4 B2 B1 B6 E1 A3 A1 A2 B5 B3 B1 B7 E1
88 _{XX} x091		A1 A3
88 _{XX} x107		A2
88 _{XX} x130		A2 A3
88 _{XX} x131	Device became "not available"	P1 Z2 B1
88 _{XX} x133		A2 A3
88 _{XX} x134	Device error – invalid format 8	B4 B2 B1 B6 B5 B3 B1 B7
88 _{XX} x13E		A1 A2
88 _{XX} x141		A2
88 _{XX} x143		A2
88 _{XX} x145		A2 A3
88 _{XX} x146		B1 A2
88 _{XX} x148		A2
88 _{XX} x14E		A2
88 _{XX} x172		A2

9335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
88xx x176		A2
88xx x177		A2
88xx x17E		A2
88xx x181	ID mismatch – invalid format 8	A1 A3
88xx x18E		A1 A2 B1
88xx x20E		A1 B4 B2 B1 B6 B8 E1 A1 B5 B3 B1 B7 B9 E1
88xx x20F	Data check or no-sync-byte-found failure – invalid format 8	A1 A3
88xx x240		A1
88xx x241		A1
88xx x242		A1
88xx x243		A1
88xx x245		A1
88xx x24E		A1
88xx x252		A1
88xx x253		A1
88xx x254		A1 A3
88xx x256		A1 A3
88xx x25E		A1

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
88 _{XX} x260		A1 A3 A2
88 _{XX} x261		A1 A3
88 _{XX} x262		A1 A3
88 _{XX} x263		A3
88 _{XX} x26E		A1
88 _{XX} x270		A1 A3 A2
88 _{XX} x271		A1 A3
88 _{XX} x273		A1 A3
88 _{XX} x27E		A1
88 _{XX} x403		A1 A2
88 _{XX} x405		A1
88 _{XX} x406		A1 A3
88 _{XX} x407		A1 A3
88 _{XX} x408		A1 A3
88 _{XX} x409		A1 A3
88 _{XX} x40A		A1 A3
88 _{XX} x40B		A1 A3
88 _{XX} x40E		A2
88 _{XX} x410		A1 A2 A3
88 _{XX} x411		A1 A2
88 _{XX} x412		A1 B2 B1 A2 A1 B3 B1 A2

335 SRC Table

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
88xx x413		A1
88xx x522		B1 A2
88xx x8FF	No device adapter hardware or microcode error found – invalid format 8	A1 A2 A3
89xx x902		A3
89xx x904		A3
89xx x906		A3 A1 A2
89xx x908		A2
89xx x90C		A2
89xx x910		A1
89xx x914		A1 A3
89xx x924		A3
89xx x93E		A3 A1 A2
89xx x9AC	IML download is needed.	On-site Service Required.
89xx x9B0	Correct level IML download is needed.	On-site Service Required.
8Exx xEEE		A3
8Fxx xFD0	The Model A01 cannot communicate with the using system	A3
8Fxx xFD1	The using system is unable to degate the Model A01	A3
8Fxx xFD2	The using system diagnosed a Model A01 internal DFCI cable failure	D3
8Fxx xFD3	DFCI error reported by the Model A01 but not detected by the using system	A3

9335 SRC 1234 5678	Definition	For result code definitions, see A14 thru A16 Card 4 Result Code by Priority
8F _{xx} xFE0	The Model A01 detected a sequence error	A3
8F _{xx} xFE1	The Model A01 detected a DFCI parity error	A3
8F _{xx} xFE2	The Model A01 detected a "sync in / sync out" error	A3
8F _{xx} xFE3	The Model A01 detected a sequence error	A3
8F _{xx} xFF0		A3 A2 A1
8F _{xx} xFF1	Unexpected error when running diagnostic test programs	A3
8F _{xx} xFF4	The Model A01 cannot communicate with the using system	A3

9335 RC Table

9335 Result Code	Definition	P/N
A1	(A) Device adapter read/write card (01A-A1A1)	59X6842
A2	(A) Device adapter interface card (01A-A1B1)	59X6847
A3	(A) System adapter SA1 card (01A-A1C5)	59X6855
B0	(B) Logic board (Model B01) 01A-A1	8223640
B1	(B) Device interface card (01A-A1C1)	8233646
B2	(B) Demodulator 0 card (01A-A1A5)	6243737
B3	(B) Demodulator 1 card (01A-A1A1)	6243737
B4	(B) Servo 0 card (01A-A1B5)	59X6839
B5	(B) Servo 1 card (01A-A1B1)	59X6839
B6	(B) Read detect 0 card (01A-F1A1)	6243740
B7	(B) Read detect 1 card (01A-F1A2)	6243740
B8	(B) Actuator driver 0 card (01A-G1A1)	59X6835
B9	(B) Actuator driver 1 card (01A-G1A2)	59X6835
C0	(A) Cable form, AC supply (Model A01)	6200817
C1	(A) Cable form DC supply (Model A01)	6200818
C2	(B) Cable form AC supply (Model B01)	6200571
C3	(B) Cable form DC supply (Model B01)	8232226

9335 Result Code	Definition	P/N
C4	(B) Power regulator cable	6200572
C5	(A) Remote power switch cable	6200573
C6	(B) Read detect 0 cable (01A-F1A1)	6243557
C7	(B) Read detect 1 cable (01A-F1A2)	6243558
C8	(B) Actuator driver 0 cable (01A-G1A1)	8232355
C9	(B) Actuator driver 1 cable (01A-G1A2)	8232228
D1	(B) Device interface cable 01A-A1C1	8232231
D2	(B) External adapter to device cable	8232301
D3	(A) Device adaptor interface cable	6200819
E1	(B) Disk enclosure	8232220
F1	(A) Cooling fan	6200886
F2	(B) Blower	8232365
I1	(B) Interposer 01A-A1B1-W	6243604
I2	(B) Interposer 01A-A1B5-W	6243604
I3	(B) Interposer 01A-A1B3-Y	6243604
I4	(B) Interposer 01A-A1B7-Y	6243604
I5	(B) Cross-card connector (01A-A1A2-X)	8232386
I6	(B) Cross-card connector (01A-A1A6-X)	8232386
L1	(B) Spindle lock assembly	6200720
M1	(B) Motor driver box (01A-C1A1)	8232196
M2	(B) Motor stator	8222163

9335 RC Table

9335 Result Code	Definition	P/N
P1	(B) Power control card (01A-A1C5)	59X6853
P2	(B) Power regulator card (01A-E1A1)	8223595
P3	(A) Switched-mode power supply	6200890
P4	(B) Switched-mode power supply (01A-D1A1)	8232239
P5	(B) AC power box	6200583
S1	(A) Power on/off switch	6200575
S2	(B) Power on/off switch	6200561
S3	(B) Power supply thermal switch	6200580
S4	(A) Card-gate thermal switch	6200639
S5	(B) Circuit breaker CB3	8232314
S6	(B) Circuit breaker CB4	8232316
S7	(B) Circuit breaker CB5	8232315
T1	(B) Transformer T1	8232246
T2	(B) Transformer T2	8232245
Z1	(A) Control panel (01A-C1A1)	6200884
Z2	(B) Control panel (01A-B1A1)	8223710